Construction News

★Denotes work advertised in ENGINEERING NEWS.
✚Denotes contract awarded. The names of bidders awarded contracts are set in CAPITALS.

RAILWAYS

West Virginia—Kanawha, Glen Jean & Eastern R.R.—(Official)—This company is making preliminary arrangements to start work soon on the construction of its line to the Laura, Red Star and Harvey Coal Mines. Plans have also been prepared for an extension from Tamroy to Skelton. William McKell is Pres. and V. S. Veazley, Ch. Engr., both of Glen Jean, W. Va. Noted May 6.

✚**West Virginia**—Norfolk & Western Ry.—(Official)—This company has awarded the contract for the construction of an extension from the Williamson & Pond Creek Ry., near Williamson, W. Va., to the Leckies Mines, to H. M. WAUGH, Williamson.

West Virginia—West Virginia Midland R.R.—According to press reports this company will convert its line from narrow to standard gage. The line extends from Webster Springs to Holly Junction, about 30 miles. Clyde Lewis, Grafton, W. Va., is Ch. Engr.

North Carolina—Georgetown & Western Ry.—The railway owned by this company has been purchased by the Carolina, Atlantic & Western Ry. Co. The new owner contemplates several extensions to the line, including one from Poston to Conway and one from Poston to Timmonsville. William Moncure, Hamlet, N. C., is Ch. Engr. of the Carolina, Atlantic & Western Ry.

✚**Kansas**—Salina Northern Ry.—This company has awarded a contract to the KEYSTONE CONSTRUCTION CO., Salina, for the construction of its proposed line from Salina to Osborne, Kan., about 80 miles. Noted Jan. 7 and Apr. 29.

Arkansas—Missouri & North Arkansas R.R.—Plans are being prepared by this company for an expenditure of $400,000 for the improvement of its lines near Harrison, Ark. E. M. Wise, Harrison, is Gen. Mgr.

✚**Texas**—Glen Rose & Walnut Springs Ry.—(Official)—This company has awarded the contract for the completion of its railway from Glen Rose to Walnut Springs, from Glen Rose to Ft. Worth and from Walnut Springs to Eagle Pass, about 340 miles, to the RAILROAD CONSTRUCTION CO., 80 Fifth Ave., New York, N. Y. Noted under Electric Railways May 13.

Texas—Red River & Gulf Ry.—This company has been incorporated to constfuct a railway from the ore mines in Marion County north to the Red River southeast of Hugh, Okla., about 75 miles. The incorporators are: T. C. Morgan, G. A. Bodenheim, R. N. Kelly, C. F. Miles, J. C. Turner, L. L. Featherstone and L. P. Featherstone, all of Longview, Tex.; Joseph A. Bradford and R. N. Taylor, Daingerfield, and W. D. Myers, Houston, Tex.

Texas—Roby — Northern R.R—This company has been incorporated to construct a railway from Roby, Tex., to connect with the Texas Central at North Roby, about five miles. C. L. White, Hillsboro, is Pres., L. C. Eastland, Hillsboro, Vice-Pres., and J. C. McWhirter, Roby, Secy.

Texas—Texas State R.R.—The Legislature has passed a bill granting permission to this company to extend its line from Palestine to Corsicana and Dallas, Tex., about 90 miles. Charles Hurdleston, Rusk, Tex., is Mgr.

Washington—Surveys are being made by the Doty Lumber & Shingle Co. for the construction of a five-mile extension to its railway from Doty, Wash. W. D. Bunker, Doty, is interested.

✚**Washington**—The Hercules Sandstone Co. has awarded the contract for the construction of a seven-mile standard gage railway from Tenino, Wash., to the quarries of the company, to DIBBLE & HAWTHORNE, Tenino, Wash.

✚**California**—San Diego & Arizona Ry.—ROBERT SHERER & CO., Pacific Electric Bldg., Los Angeles, has been awarded the contract for grading about five miles of this company's line near San Diego, Calif. The work will be of heavy character, involving deep cuts through decomposed granite and rock. The estimated cost is $500,000.

Alberta—Entwistle & Alberta Southern Ry.—This company has been incorporated to construct a railway from Entwistle, Alta., to the Saskatchewan River, about 60 miles. The incorporators include: C. L. Hervey, D. A. O' Meara, Montreal, Que.; T. A. Burgess, L. A. Cote and R. H. Pringle, Ottawa, Ont. Noted Mar. 18.

ELECTRIC RAILWAYS

Brockton, Mass.—The Bay State St. Ry. Co. contemplates the extension of its line in Brockton from Perkins Ave. to East St. J. T. Conway, Brockton, is Gen. Supt.

Providence, R. I.—Plans are being considered by the Newport & Providence Ry. Co. for the extension of its line to Coaster's Harbor Island. G. M. Towle, Newport, is Supt. and Gen. Mgr.

New Haven, Conn.—The Connecticut Co. has applied for a franchise to double-track its line on George St. from Norton to Broad St. F. P. Harlan is Mgr. of New Haven Division.

West Hartford, Conn.—The Connecticut Co. contemplates double-tracking its line in West Hartford on Farmington Ave. from the end of the present loop near Troop B Armory to West Hartford Center. W. P. Bristol, Hartford, is Local Mgr.

Albany, N. Y.—The United Traction Co. plans to retrack its line on South Pearl St. James F. Hamilton, Albany, is Gen. Mgr.

Buffalo, N. Y.—The International Ry. Co. plans to construct an extension to its line which will be known as the Abbott Rd. line. The new line will extend from Pearl to Erie St. and Abbott Rd. and Woodside Ave. in Buffalo. G. C. Chambers is Gen. Agt.

★**New York, N. Y.**—(Borough of Queens)—(Official)—Bids are being received by the New York Connecting R.R. Co. for the grading and masonry of a portion of Section 2 of its proposed line, extending from a point near Bowery Bay Rd. to the south side of Fremont St., in the Borough of Queens, about 4.21 miles. Plans, specifications, form of contract, proposal blanks and instructions to bidders may be had by addressing A. C. Shand, Ch. Engr., Southern Division, The New York Connecting R.R. Co., Broad St. Station, Philadelphia, Penn.

Johnstown, Penn.—According to press reports the Somerset St. Ry. Co. is making surveys for the construction of an extension from Johnstown to Rockwood, about 36 miles. G. C. Winslow is Gen. Mgr.

Phoenixville, Penn.—The Chester & Lancaster Ry. Co. is making surveys for the construction of an electric railway from the Lancaster County line to Phoenixville, about 16 miles. The company also plans to construct a line from Pughstown to Pottstown, about eight miles. John F. Shea and John J. Deery, Philadelphia, are interested.

Durham, N. C.—The Durham Traction Co. will soon award contracts for the extension of its line on Holloway St. for a distance of two miles. R. L. Lindsay, Durham, is Gen. Mgr. and Pur. Agt. Noted Apr. 29.

Furman, S. C.—The Furman & Yemassee R.R. Co. has been incorporated to construct an interurban railway from Furman to Yemassee, about 20 miles. The incorporators are J. H. Adams, W. B. Ellis and H. Weindal.

Jacksonville, Fla.—The Jacksonville & Florida Ry. Co. has been incorporated to construct an electric railway from Jacksonville to Providence, about 60 miles. A. W. Mackinlay is Pres. and Gen. Mgr.

Lynn Haven, Fla.—Richard Tillis, Montgomery, Ala., is interested in the construction of an electric railway from Lynn Haven to Panama City.

Oakwood, Ohio—The Oakwood St. Ry. Co. has been granted a franchise by the City Council for the construction of an electric railway in Oakwood. Noted Apr. 29.

Springfield, Ohio—Plans are being prepared by the Springfield Ry. Co. for the extension of several of its lines in Springfield. George C. Towle, Dayton, is Gen. Mgr.

Springfield, Ohio—The City Council has granted a franchise to the Ohio Electric Ry. Co. to construct an electric railway in Springfield. A. Benham, Springfield, is Gen. Mgr.

Ft. Wayne, Ind.—The Ft. Wayne & Northern Indiana Traction Co. has applied to the City Council for a franchise to extend its line on State St. Samuel W. Greenland, Ft. Wayne, is Gen. Mgr. and Pur. Agt.

Wheaton, Ill.—Plans are being prepared by the Aurora, Elgin & Chicago Ry. Co. for double-tracking its line on North Lake St. in Wheaton. Edwin C. Faber, Wheaton, is Vice-Pres. and Gen. Mgr.

Marinette, Wis.—The Marinette & Menominee Light & Traction Co. is considering the extension of its line in Marienette from Pierce Ave. to 11th St. A. W. Raichie, Menominee, Mich., is Pur. Agt.

Price, Utah—J. H. Manson, Price, is interested in the construction of an electric railway to connect Price with various towns in Emery County.

Los Angeles, Calif.—The City Council has granted a franchise to Lewis Ginger for the construction of an incline railway in Griffith Park.

Los Angeles, Calif.—The City Council has authorized the sale of two franchises in Los Angeles; one for the construction of an electric railway to extend from 13th St. and San Pedro St., out San Pedro St. and South Park Ave. to Slauson Ave., and the other to extend over the same line to Manchester Ave.

Sacramento, Calif.—The Pacific Gas & Electric Co. will reconstruct its tracks on J and P St. and Cypress Ave. ,at a cost of about $75,000. C. W. McKillip is Local Mgr.

Ottawa, Ont.—Preliminary arrangements are being made by the Ottawa Electric Ry. Co. for laying new tracks on Banks St. The estimated cost of the improvement is $40,000. W. H. Baldwin, Ottawa, is Ch. Engr.

LIGHT, HEAT AND POWER

Boston, Mass.—Bids will be received until June 1 by the Children's Institution Department for furnishing a 15-kw. direct-connected engine and electric generator at Rainsford Island. John O'Hare is Comr.

Cambridge, Mass.—The Cambridge Electric Light Co. has applied to the Board of Gas and Electric Light Commissioners for authority to issue $100,000 in additional capital stock, of which a part of the proceeds will be used to enlarge and improve the plant. W. E. Holmes, Newton, is Treas. and Gen. Mgr.

Sterling, Mass.—At a recent town meeting, an appropriation of $5900 was made for extending the transmission lines of the municipal electric-light plant as follows: Camp

grounds at Sterling Junction, $2600; Rowley Hill district, $2000, and to the Chocksett district, $1300. H. W. Rugg is Mgr. and Supt.

Buffalo, N. Y.—(Official)—Bids will be received until 4 p.m., May 25, by the State Board of Armory Commissioners, Capitol, Albany, for gasoline engine-driven electric generating sets for Troop I Armory, Buffalo. Franklin W. Ward is Secy., State Armory Comn.

✚**New York, N. Y.**—(Borough of Brooklyn)—The Department of Education opened bids May 10 for installing heating and ventilating apparatus in Public School 18, Maujer and Leonard St., Borough of Brooklyn, from: E. Rutzler Co., $24,632; Leslie & Tracy, $24,400; Grimshaw & Star, $24,444; William J. Olvany, $25,210; JAMES CURRAN MFG. CO., 512 West 36th St., New York (awarded contract); Raisler Heating Co., $25,749.

Camden, N. J.—It is reported that the Public Service Electric Co. will soon begin laying underground conduit lines in the principal streets of the city. About $25,000 will be spent this year for this improvement.

Harrison, N. J.—Press reports state that the Crucible Steel Co. of America will build a new power station on Cumberland St. in connection with extensions to its plant. The company also plans to establish a new substation.

Hightstown, N. J.—It is reported that Bert D. Thomas, Mayor, will soon submit a report to the City Council on the feasibility of installing a municipal electric-lighting system.

Jersey City, N. J.—The Hudson Ice Co., 130 Oakland Ave., contemplates the construction of a 100-ton ice plant at Central and Jefferson Ave., Jersey City. S. H. McKnight is Pres.

Millville, N. J.—The Council has engaged W. S. Temple, Philadelphia, Penn., to prepare plans for the construction of a municipal electric-light plant for Millville.

Patton, Penn.—It is reported that the Town Council is considering the installation of a municipal electric-light plant. Service is now furnished by the Penn Central Light & Power Co., Altoona.

Asheville, N. C.—According to press reports, the North Carolina Electrical Power Co., Asheville, plans to build a steam-driven auxiliary electric plant on the French Broad River, estimated to cost about $150,000. Generating equipment for 4000 hp. will be installed this year. W. T. Weaver, Asheville, is Pres. and Mgr.

Ft. Meade, Fla.—(Official)—Bids will be received until June 15 by the Board of Bond Trustees, City Hall, for the purchase of $25,500 in bonds, the proceeds of which will be used for the purchase or construction of a municipal electric-light plant. G. L. Brodrick is Town Clk.

Chalmers, Ind.—At a recent election, the citizens voted in favor of installing an electric-lighting system. It is reported that the plant will be financed by a stock company, to be purchased eventually by the town. T. C. Smith, Chalmers, is Engr.

Columbus, Ind.—The Board of Commissioners of Bartholemew County plans to install a new steam-heating plant in the County Courthouse at Columbus. The estimated cost is $15,000.

Normal, Ill.—(Official)—Bids will be received until 1 p.m., May 24, by the State Board of Education for the construction of a boiler house and stack for the heating plant of the State Normal University at Normal. James B. Dibelka, 130 North Fifth Ave., Chicago, is State Arch.

Springfield, Ill.—It is reported that the House of Representatives has passed a bill appropriating $140,000 for the purpose of installing new lighting and heating equipment in the State Capitol building.

Primghar, Iowa—(Official)—Bids will be received until noon, June 15, by the Board of Supervisors of O'Brien County for heating and plumbing systems for the new county court house at Primghar. J. B. Stamp is County Audr.

Shellsburg, Iowa—The City Council is considering the establishment of a municipal electric-light plant. The estimated cost is $10,000. It is reported that the Cass Interurban Co. has made an offer to furnish electricity to Shellsburg from its power station at Urbana.

Vinton, Iowa—Bids will be received until May 27 by the Board of Supervisors of Benton County for the construction of a new building at the County Home. Separate contracts will be awarded for heating and plumbing equipment and for electric-light wiring. J. G. Ralston, Waterloo, is Arch.

✚**Wellman, Iowa**—The Wellman Light & Power Co. has awarded the contract for the construction of a power plant to the ELECTRIC CONSTRUCTION & MACHINERY CO., Third Ave., Rock Island, Ill. B. N. Jessen is interested in the Wellman company.

Marietta, Minn.—The town is considering the installation of a municipal electric-light plant.

Russell, Minn.—The City Council has appropriated $7000 for the installation of a municipal electric-light and power plant.

Ceresco, Neb.—Bids will be received until 2 p.m., May 24, by Gus Johnson, Village Clk., for the installation of an electric-light plant. Noted Apr. 1 and May 13.

✚**Valentine, Neb.**—Press reports state that the C. H. Cornell Hydro-Electric Co. has awarded the contract for the construction of a hydro-electric plant to the STEINMEYER-RYONS CONSTRUCTION CO., Beatrice.

Dallas, Tex.—The Lone Star Gas Co., Ft. Worth, will soon begin laying a natural gas main pipe-line from its fields at Petrolia, Tex. The estimated cost of the work is $500,000.

Del Rio, Tex.—The Texas Southern Electric Co., Victoria, has purchased the electric-light and ice factory of the City Ice & Electric Co. The reported purchase price is $90,000. The property will be improved.

McGregor, Tex.—The Texas Power & Light Co., Dallas, has purchased the local electric-light plant, and will build a transmission line from Waco by way of Eddy and Moody. Some improvements will be made to the system in McGregor.

Reno, Nev.—It is reported that the City Council is considering a bond issue of $750,000 for the purpose of constructing a municipal electric-light plant and water-work system. J. C. Parry is City Clk.

Morton, Wash.—The plant of the Morton Electric Co., owned by F. M. Broadbent, has recently been sold to C. J. Smith, Pe Ell, Wash. The reported price is approximately $20,000. The new owner plans to enlarge and improve the plant at once.

Dinuba, Calif.—The Alta District Gas Co. plans to install new equipment at once, and to extend its lines to neighboring towns. R. K. Madsen is Pres. and Gen. Mgr.

Quebec, Que.—It is reported that the Canadian Pacific Ry. contemplates the construction of a central-power station at St. Paul and Henderson St., Quebec. The estimated cost is $1,000,000. Bids will be asked for the construction of the building, installation of boilers and other equipment. H. E. Prindle, 915 New Birke Bldg., Montreal, is Arch.

Sherbrooke, Que.—It is reported that the city of Sherbrooke will purchase electric meters, controllers, etc., to the amount of about $27,000. No bids will be asked. W. E. C. Gatien is City Clk.

Listowel, Ont.—Construction will soon be started on a new municipal hydro-electric plant. A distribution and street-lighting system will also be installed. The total cost is estimated at $40,000. H. R. Stafford is Supt. of the Light Comn.

Niagara Falls, Ont.—It is reported that the Canadian Niagara Power Co. contemplates extensive improvements to its plant. Philip P. Barton, Niagara Falls, is Gen. Mgr. Noted Mar. 18.

Winnipeg, Man.—Bids will be received until 10 a.m., June 5, by M. Peterson, Secy., Bd. of Control, for one 150-kw. motor generator and exciter set to be installed in the generating station at Point du Bois. Plans are on file at the City Light and Power Department, 54 King St., Winnipeg.

BRIDGES

Boston, Mass.—The Spring St. Bridge connecting Dedham with this city is to be rebuilt and widened. The estimated cost is $30,000. Patrick O'Hearn is Acting Comr. of Pub. Wks.

Lawrence, Mass.—The Commissioners of Essex County opened bids on May 10 for the construction of a bridge over the Shawsheen River at Merrimac St. from: W. N. Pike & Son, $21,621; Bruno & Petitti, $26,500; George M. Bryne, $29,003; George T. Rendle & Co. and James B. Rendle, $32,490; Coleman Bros., $35,647. Moody Kimball, Salem, is Chn. of Comrs. Noted May 6.

✚✚**Central Falls, R. I.**—The joint commission of the City Council of Central Falls, and the Town Council of Cumberland has awarded the contract for the construction of a reinforced-concrete arch over the Blackstone River to the McKINNON CONSTRUCTION CO., East Providence, at approximately $59,000. Noted June 18 and 25, Oct. 1, 1914; Jan. 21 and Feb. 18.

★✚**Canton, N. Y.**—(Official)—Bids were received May 5 for the construction of a concrete-steel arch over the Grasse River in the Town of Canton from the following: FLOOD & VAN WIRT CO., Hudson Falls, $25,500 (awarded contract); Lou B. Cleaveland, $28,406; E. T. Eggleston, $24,719 (irregular); Scott Bros., $32,400; I. B. Contracting Corporation, $25,526; Interstate Construction Co., $36,189. Noted Apr. 15 and May 13.

Jay, N. Y.—Bids will be received until May 22 by Fred A. Torrance, Town Supt., for the construction of a 125-ft. steel bridge over the Ausable River at Upper Jay.

✚**Syracuse, N. Y.**—The Board of Contract and Supply has awarded the contract for the construction of the Spencer St. bridge to the C. T. HOOKWAY CONSTRUCTION CO., at $11,400.

Watertown, N. Y.—It is reported that the Board of Public Works is considering the construction of two bridges to cost $25,000 and $82,500. The Concrete-Steel Engineering Co., Park Row Bldg., New York, has submitted plans. Earl W. Sayles is City Engr.

Freehold, N. J.—(Official)—Bids will be received until 11 a.m., May 27, by the Board of Chosen Freeholders of Monmouth County for the construction of a wooden bridge in Ocean Township, known as the "Manahasset Bridge." George D. Cooper, 60 Broad St., Red Bank, is County Engr. J. M. Corlies is Dir. Bd. of Freeholders.

Keyport, N. J.—(Official)—We are advised by C. E. Close, Clk. of the Bd. of Chosen Freeholders of Monmouth County, that plans and specifications for a new drawbridge over Matawan Creek near Keyport are now being prepared, but no definite time for receiving bids has been set. Noted May 13.

★**New Gretna, N. J.**—(Official)—Bids will be received until noon, June 9, by the Boards of Chosen Freeholders of Atlantic and Burlington Counties at G. A. R. Hall, Atlantic City, for the construction of a bridge over the Mullica River at Chestnut Neck near New Gretna. It will be 742 ft. long, composed of creosoted pile trestle approaches, steel trusses and bascule draw span, with wood block floor. A. H. Nelson, Guarantee Trust Bldg., Atlantic City, is Engr. of Atlantic County. James Logan is Engr. of Burlington County.

★**New Gretna, N. J.**—(Official)—Bids will be received until noon, June 9, by the Boards of Chosen Freeholders of Atlantic and Burlington Counties at G. A. R. Hall, Atlantic City, for repairing the substructure of the Mullica River Bridge at Chestnut Neck near New Grena. John K. Johnson is Chn. Alantic County Bridge Com. John R. Loveland is Chn. Burlington County Bridge Com.

Beaver, Penn.—Press reports state that the Commissioners of Beaver County are receiving bids for the construction of a reinforced-concrete bridge over Block House Run in Pulaski Township.

Charlerol, Penn.—It is reported that the Mercantile Bridge Co. will spend about $35,000 in repairing the Monessen-Charlerol Bridge within the next few weeks. D. G. Callihan will have charge of the work.

Mont Clare, Penn.—The Commissioners of Montgomery County, Norristown, and Chester County, West Chester, plan to replace the inter-county bridge over the Schuylkill River between Mont Clare and Phœnixville, and which was totally destroyed by fire on May 9, as soon as possible with a larger structure. The estimated cost is $80,000, of which each county will pay half.

✚Reading, Penn.—(Official)—The Board of Commissioners of Berks County has awarded the contract for the construction of the Leesport Bridge over the Schuylkill River to WHITAKER & DIEHL, Harrisburg at $17,747. Other bidders were: Reading Contracting Co., $17,500; Rennell Construction Co., $17,587; N. R. Porterfield, $19,220; L. H. Focht & Son, $18,998; Carl R. Camp, $21,800. D. K. Hoch is County Controller. Noted Dec. 17, Jan. 7, Feb. 25 and May 6.

Sunbury, Penn.—It is reported that the proposed new bridge over Shamokin Creek in Sunbury will be located at 10th St. The estimated cost of the structure is $14,000. George F. Keefer is City Engr.

York, Penn.—The Board of Commissioners of York County has decided to replace the present wooden bridge over Red Run on the York-Shippensburg Rd. in Washington Township with a steel structure. Bids will soon be asked for. F. S. Bartenschlager is County Controller.

✚York, Penn.—(Official)—The Commissioners of York County have awarded contracts for the construction of five county bridges to the following: G. A. and F. M. WAGMAN, Dallastown, at $694 and $3699 respectively, for Bridges Nos. 1 and 5; S. A. ARNOLD, Windsor, at $2012 for Bridge No. 2; NESS BROS., Dallastown, $900 for Bridge No. 3; WALTER DRAWBAUGH, Dover, Del., $2250 for Bridge No. 4. Noted May 6.

Georgetown, Del.—Bids will be received until June 1 by Morgan T. Gum, County Road Engr. of Sussex County, for the construction of a bridge over Marshy Hope Creek. The estimated cost is $5000.

Christiansburg, Va.—(Official)—Bids will be received until noon, May 25, by the Clerk of the Circuit Court of Montgomery County for the construction of a steel bridge over Toms Creek. Bids will be received at the same time for about 2291 cu.yd. approach fill. G. P. Coleman, Richmond, is State Highway Comr.

✚Elkins, W. Va.—The Board of Commissioners of Randolph County has awarded the contract for the construction of six reinforced-concrete bridges to the LUTEN BRIDGE CO., Clarksburg, W. Va., at $7400; the contract for the construction of the Stone House Bridge was awarded to the FARRIS BRIDGE CO., Pittsburgh, Penn., at $6430. Noted Jan. 28, Mar. 25 and Apr. 29.

Fairmont, W. Va.—It is reported that the City Council is considering the construction of two bridges, one, a 388-ft. span over Coal Run, and the other, about 1450 ft. long, over the Monongahela River. The estimated cost is $400,000. S. M. Miller is City Engr.

Lacombe, La.—Bids will be received until June 7 by the Board of State Highway Commissioners, New Orleans, for the construction of a steel swing bridge over Bayou Lacombe near Lacombe, St. Tammany Parish. The bridge will be 150 ft. long and 16 ft. wide. The estimated cost is $7000. C. C. Sandoz is Secy. State Highway Comrs.

Henderson, Ky.—(Official)—Bids will be received until 10 a.m., May 25, by S. A. Young, County Judge, for the construction of 11 reinforced-concrete bridges and one concrete culvert in Henderson County. S. H. Kimmel, Henderson, is County Road Engr. Noted Apr. 22.

✚Alliance, Ohio—(Official)—The Board of Commissioners of Stark County, Canton, has awarded the contract for an extension to the Ryan Run Culvert in Lexington Township, to FRANK L. COX, Kensington, Ohio. Noted Apr. 29.

Cambridge, Ohio—It is reported that the County Engineer is preparing plans for three new concrete bridges, bids for which will probably be asked about July 1. T. C. White is Audr. of Guernsey County.

Chesapeake, Ohio—(Official)—Bids will be received until 10 a.m., June 7, by the Commissioners of Lawrence County, Ironton, for the construction of a floor in the bridge over Symmes Creek at Chesapeake. S. A. Bowman is County Audr.

Cincinnati, Ohio—(Official)—Bids will be received until noon, June 1, by Philip Fosdick, Dir. of Pub. Ser., for the construction of a bridge over Kemper Lane at the Park Ave. entrance to Eden Park. It will be 360 ft. long and 65 ft. wide, consisting of one 180-ft. three-ribbed arch and approaches. The work includes 26,000 cu.yd. grading, 9000 cu.yd. trench excavation, 6800 cu.yd. reinforced concrete, 9000 sq.yd. bituminous macadam paving, 1600 sq.yd. wood block pavement and miscellaneous street work. The estimated cost is $165,000. Frank L. Raschig is Prin. Asst. Engr. in charge of Div. of Structures. Noted Nov. 26 and Dec. 10, 1914; Feb. 11 and Mar. 25.

Cincinnati, Ohio—(Official)—Bids will be received until noon, June 11, by the Board of Commissioners of Hamilton County for widening the road and constructing a concrete culvert on Three-Mile Rd. in Anderson Township. Specification No. 774. Fred E. Wesselman is Pres. of the Bd.

Hamilton, Ohio—(Official)—Bids will be received until 10 a.m., June 9, by W. W. Crawford, Audr. of Butler County, for the construction of a steel or concrete bridge over the Miami River at the intersection of Wood and Chestnut St., Hamilton.

Lorain, Ohio—(Official)—Bids will be received until 1 p.m., June 2, by the Board of Commissioners of Lorain County for the construction of the substructure of the Cowle-Miller Bridge on the Pitts Rd. in Wellington Township. F. P. Crosse is County Surv. F. L. Ellenberger is County Surv.

✚Struthers, Ohio—(Official)—The Board of Commissioners of Mahoning County, Youngstown, has awarded the contract for a 70-ft. reinforced-concrete bridge across Yellow Creek at Struthers, to HARVEY & WATSON, Pittsburgh, Penn., at $4351. Noted Apr. 29.

Zanesville, Ohio—(Official)—Bids will be received until 11 a.m., June 7, by the Board of Commissioners of Muskingum County for the superstructure of the Meadow Farm Bridge over Thompson's Creek in Springfield Township. Fred C. Werner is Clk. of Comrs.

✚Conrad, Ind.—The Board of Commissioners of Newton County has awarded the contracts for a bridge at Conrad to G. A. WEBBER, Morocco, at $3400 for concrete abutments, and the ELKHART BRIDGE CO., at $2197, for the superstructure.

Sullivan, Ind.—The Board of Commissioners of Sullivan County will advertise for bids early in June for the construction of five or six reinforced-concrete bridges with concrete floors. W. S. Bicknell is County Audr.

Grand Haven, Mich.—(Official)—Bids will be received until noon, May 28, by the Board of County Road Commissioners of Ottawa County for the construction of a bridge over the Grand River at Eastmanville. It will consist of five 85-ft. pony trusses, one movable truss, two reinforced-concrete abutments and five plain concrete piers. Austin Harrington is Chn. of Rd. Comrs. Jacob Glerum is County Clk.

✚Jackson, Mich.—The City Commissioners have awarded the contract for the construction of a reinforced-concrete bridge at Mechanic St. to NORTH & BRADSHAW, Jackson, at $4300. Bids were opened Apr. 27. Noted Mar. 4, Apr. 1 and 15.

Pontiac, Mich.—Bids will soon be received by C. L. Groesbeck, City Clk., for the construction of two reinforced-concrete bridges.

★Chicago, Ill.—(Official)—Bids will be received until noon, June 1, by the Union Station Co., 521 West Adams St., for the construction of a trunnion bascule bridge over the south branch of the Chicago River at West Monroe St. The work includes the substructure, superstructure and the electrical equipment for the bridge. Thomas Rodd is Ch. Engr. of the Union Station Co.

Dixon, Ill.—(Official)—We are advised by M. Johnson, Engr. of Bridges and Bldgs. for the Illinois Central R.R., that, while a new bridge over the Rock River at Dixon is under consideration, no definite plans have been decided upon as yet. Noted May 6.

✚Council Bluffs, Iowa—The Board of Supervisors of Pottawattomie County has awarded the contract for the construction of five bridges to the LANA CONSTRUCTION CO., Council Bluffs, at $18,917. Bids were received May 7. Noted May 6.

✚Forest City, Iowa—(Official)—The Board of Supervisors of Winnebago County has awarded the contract for the construction of two reinforced-concrete bridges to the IOWA BRIDGE CO., Des Moines, at $4350. The Engineer's estimate was $6288. Noted May 6.

Mt. Pleasant, Iowa—The Board of Supervisors of Henry County has authorized the immediate construction of 42 concrete bridges in the county.

✚Oskaloosa, Iowa—The Board of Supervisors of Mahaska County has awarded the contract for the construction of 41 steel and concrete bridges in the county to H. E. WHITLATCH, Beacon, and W. F. ORR, Lacey, at $20,500. The county will furnish all concrete and structural steel for I-beam bridges. Noted Apr. 1.

West Union, Iowa—Bids will be received until 1 p.m., May 27, by the Board of Supervisors of Fayette County for the construction of five county bridges. C. F. Chambers is County Audr.

✚Leavenworth, Kan.—(Official)—The City Council has awarded the contract for the construction of two culverts over Three-Mile Creek at Second and Third St. to the LEAVENWORTH BRIDGE CO., Leavenworth, at a cost not to exceed $25,500. Other bidders were: Missouri Valley Bridge Co., Leavenworth, $28,418; C. B. S. Construction Co., Kansas City, Mo., $28,159. Harry A. Perkins is City Engr. Noted May 6.

✚Marysville, Kan.—(Official)—The Board of Commissioners of Marshall County has awarded the contract for the construction of four county bridges to the TOPEKA BRIDGE & IRON CO., Topeka, at $10,700. Ralph Gallup is County Engr. Noted Apr. 29.

✚Beatrice, Neb.—(Official)—The Board of Supervisors of Gage County has awarded the contract for the construction and repair of all county bridges during the year to the STANDARD BRIDGE CO., City National Bank Bldg., Omaha. Noted Apr. 29.

✚Neligh, Neb.—The Board of Commissioners of Antelope County has awarded the contract for the construction of all county bridges for the year to the WESTERN BRIDGE & CONSTRUCTION CO., Omaha.

Roundup, Mont.—Press reports state that the Commissioners of Musselshell County will soon ask bids for the construction of a bridge across the Musselshell River.

✚Houston, Tex.—It is reported that the City Council has awarded the contract for the construction of a reinforced-concrete bridge across Harris Bayou on Main St. Blvd. to the EUREKA PAVING CO., Carter Bldg., Houston, at about $13,000.

St. Jo, Tex.—Bids will be received until June 7 by the City Council for the construction of a steel or concrete bridge across Elm Creek on Williams St. D. C. Berry is Chn. Street Com.

✚Watonga, Okla.—(Official)—The Commissioners of Blaine County have awarded the contract for the construction of a steel bridge in Lawton Township to the OREGONIA BRIDGE CO., Lebanon, Ohio, and Oklahoma. Noted Apr. 29.

Challis, Idaho—The State Highway Commission has agreed to appropriate $6000 for the construction of bridges on North and South Rd., providing that Custer County, at the election to be held May 29, votes in favor of issuing $35,000 in bonds to be used for the same purpose. Edward S. Smith, Boise, is State Highway Engr.

Grand View, Idaho—It is reported that the Commissioners of Ada County, Boise, and Owyhee County, Silver City, contemplate the constructionof a bridge across the Snake River at Grand View. The estimated cost is $20,000.

✚**Sandpoint, Idaho**—It is reported that the Commissioners of Bonner County have awarded the contract for a bridge across Meadow Creek to C. PETERSON at an estimated cost of $17,000.

Montesano, Wash.—Bids will be received until 1:30 p.m., May 24, by W. D. Campbell, Audr. of Chehalis County, for building three highway bridges over the Whishkah River. Noted Feb. 4.

✚**Olympia, Wash.**—The Commissioners of Thurston County have awarded the contract for a steel bridge over Perry Creek on the Olympia-Shelton Rd. to the COAST BRIDGE CO., Portland, Ore., at $8400. Noted Mar. 18 and Apr. 15.

Olympia, Wash.—It is reported that the State Highway Commission has completed plans for the La Salle Bridge near Olympia, and bids will soon be asked. It will be a steel structure, and the estimated cost is $20,000. William R. Roy, Olympia, is State Highway Comr.

Seattle, Wash.—(Official)—We are advised by W. H. Tiedeman, Prin. Asst. City Engr., that the reconstruction of the West Garfield St. Bridge has not yet been ordered by the City Council. The work contemplated includes re-piling with creosoted piles, repairing bracing, etc., at an estimated cost of $20,000. Noted May 6.

✚**South Prairie, Wash.**—(Official)—The Board of Commissioners of Pierce County, Tacoma, has awarded the contract for the construction of the South Prairie Creek Bridge to the OMAHA STRUCTURAL STEEL WORKS, 605 Bankers' Trust Bldg., Tacoma. Noted Apr. 8 and 22.

Spokane, Wash.—(Official)—We are advised by Morton Macartney, City Engr., that it will be about 60 days before any definite plans can be given out for constructing a reinforced-concrete approach at the south end of the Monroe St. Bridge. Noted Apr. 29.

Tumwater, Wash.—It is reported that bids will be received until May 31 by the Commissioners of Thurston County, Olympia, for the construction of a concrete bridge across the Des Chutes River on the Pacific Highway near Tumwater. The estimated cost is $10,000. Noted Mar. 4.

Portland, Ore.—All bids received May 3 by the Commissioners of Multnomah County for the construction of a reinforced-concrete viaduct on the Columbia Highway near Eagle Creek were rejected. The work will be readvertised. Plans were prepared by the State Highway Commission. Noted Apr. 29.

✚**Auburn, Calif.**—(Official)—The Board of Supervisors of Placer County has awarded the contract for the construction of a reinforced-concrete bridge over the Bear River on the State Highway near Sheridan to JENKINS & WELLS, Sacramento, at $13,800, exclusive of the cement used. About 12 other bids were received. M. Z. Lowell is County Clk. Noted Apr. 29.

Sacramento, Calif.—Bids will be received until 2 p.m., May 24, by the State Highway Commission for the construction of an 80-ft. plate girder bascule bridge with reinforced-concrete approaches near the easterly side of the Yolo bypass in Yolo County. A. B. Fletcher is State Engr.

✚**Sacramento, Calif.**—(Official)—The Boards of Supervisors of Sacramento and Solano Counties have awarded the contract for the construction of a road trestle on Wood Island to M. L. ISHAM, Rio Vista, at 25.5c. per lin.ft. Noted Apr. 29.

Santa Barbara, Calif.—It is reported that the Board of Supervisors of Santa Barbara County will shortly advertise for bids for two reinforced-concrete bridges on the State Highway at Dos Pueblos and Eagle Cañon. The estimated cost is from $8000 to $12,000. Owen H. O'Neill is County Surv.

Santa Cruz, Calif.—Bids will be received until May 26 by the Board of Supervisors of Santa Cruz County for the construction of bridges in the San Lorenzo Road District. A. H. Miller is Clk. of the Bd.

Watsonville, Calif.—(Official)—Bids will be received until 2 p.m., May 24, by the County Clerk of Monterey County, Salinas, and the City Clerk, Watsonville, for the construction of a reinforced-concrete bridge with a 20-ft. approach at each end, across the Pajaro River at Watsonville. The estimated cost is $34,250. Leonard & Day, Rialto Bldg., San Francisco, is Consult. Engr. H. B. Kitchen is City Engr. of Watsonville. Noted Apr. 8.

✚**Portneuf, Que.**—The contract for the construction of a reinforced-concrete bridge has been awarded to ARTHUR GAUTHIER, Portneuf, at about $4500.

Chippawa, Ont.—Bids will be received until noon, May 25, by J. A. Plylev, Township Clk., Chippawa, for the construction of three bridges in Willoughby Township.

✚**Kingston, Ont.**—(Official)—The Department of Public Works, Ottawa, has awarded the contract for the construction of three bridges over the Cataraqui River at Kingston, to the HAMILTON BRIDGE WORKS CO., LTD., Hamilton. Two of the bridges are steel through-truss spans, while the third is a single-leaf Strauss trunnion bascule bridge. Noted Mar. 11.

Swan River, Man.—Bids will be received until May 26 by Joseph Armstrong, Secy. and Treas., Box 153, Swan River, for the construction of two steel bridges, the Clarke Bridge over the Roaring River, and the Corbett Bridge over the Swan River.

WATER SUPPLY—IRRIGATION

Belchertown, Mass.—James L. Tighe, Hydraulic Engr., Holyoke, has submitted estimates to the Water Committee for the construction of either a gravity water system at an estimated cost of $36,779, or a pumping system at $76,234. Noted Apr. 15.

Boston, Mass.—Bids will be received until May 24 by the Supply Department for furnishing 150 tons of c.-i. special castings for the high pressure fire service. D. Frank Doherty is Supt.

Boston, Mass.—Bids were received May 10 by the Metropolitan Water and Sewerage Board for constructing a 60-in. pipe under portion of Section No. 5 of the Weston Aqueduct supply mains as follows: Charles A. Kelley, 25 Cherry St., Somerville, $27,177; John P. Cavanaugh Co., Boston, $27,282; James L. Pierce & Co., $27,526; The Henry Sprague Contracting Co., $28,515; M. Russo & Son Co., $29,283; James J. Conway, $29,874; Bruno & Petitti, $30,675 and Hugh Nawn Contracting Co., $30,688. Dexter Brackett is Ch. Engr. Noted May 6.

✚**Gardner, Mass.**—The contract has been awarded to the M. W. ALLEN CONSTRUCTION CO., Walpole, at about $10,000, by the Water Commissioners for constructing a 5,000,000-gal. reservoir on Reservoir Hill. Noted May 6.

✚**Needham, Mass.**—The contract for the construction of a steel standpipe with a capacity of 750,000 gal. has been awarded to the HODGE BOILER WORKS, Boston, at $7710. Other bidders were: Chicago Steel & Iron Works, $7650; New England Iron Works, $8940; Petroleum Iron Works, $9500; Riter-Conley Co., $9815 and the Walsh Steam Boiler Works, $10,585.

Shrewsbury, Mass.—(Official)—George S. Stone, Town Clk., advises us that the building of the water system is being held up while investigations of the price of pipe are being made, and pending the decision of the Water Commissioners as to shortening the lines. Noted Feb. 11, Apr. 24 and May 6 and 13.

Exeter, R. I.—Bids will be received until 10 a.m., May 27, by the Board of Contract and Supply for making extensions to the water and sewer systems at the Rhode Island School for the Feeble Minded. Gilbert R. Parker, 18 State House, Providence, is Secy.

★**Hartford, Conn.**—(Official)—Bids will be received until 3 p.m., June 2, by the Board of Water Commissioners for the construction of the east dike, Nepaug reservoir, in Canton, under Contract No. 9. Fred D. Berry is Secy., Bd. of Comrs.

✚**Batavia, N. Y.**—The contract has been awarded to J. H. BRADISH, Batavia, at $23 per ton for 10,000 ft. of 6-in. and 800 ft. of 8-in. Class B c.i. pipe. S. J. Carmichael is City Clk.

Canton, N. Y.—An election will be held June 2 to vote on the question of issuing $60,000 in bonds, the proceeds of which will be used for the installation of a filtration plant. Clarence S. Cook is a Trustee.

✚**New York, N. Y.**—(Official)—The contract has been awarded to Z. P. BOICE, Kingston, $38,680, for constructing 15 miles of wire fence with concrete posts and guard rails at the Ashokan reservoir. Noted May 13.

✚**New York, N. Y.**—(Borough of the Bronx)—(Official)—Contracts have been awarded to LOUIS CAPETTO at $27,865, and to the MELROSE CONSTRUCTION CO. for laying water mains in Grand Blvd. and the Concourse and in a number of streets. Noted May 13.

✚**New York, N. Y.**—(Boroughs of Manhattan and the Bronx)—(Official)—Contracts have been awarded to JOHN FOX & CO., at $2430 and $2290, for Sections 1 and 2 and to the A. P. SMITH MFG. CO., at $4872 and $9807, for Sections 3 and 4 for water pipe and specials. Noted Apr. 8 and May 13.

Atlantic Highlands, N. J.—Bids will be received until May 2. by W. T. Franklin, Borough Clk., for constructing 1½ miles of 4-in. to 8-in. c.-i. water mains.

Trenton, N. J.—The Hamilton Township Committee has voted in favor of extending the local water system to a point beyond Mercerville.

Wildwood, N. J.—The citizens voted in favor of purchasing the plant of the Wildwood Water Co., at $554,000. The city will install a fire main in Park Blvd., and fire hydrants. Noted Oct. 15 and Apr. 8.

Mifflinburg, Penn.—The citizens plan to build a 5,000,000-gal. reinforced-concrete reservoir. Alexander Potter, New York, N. Y., is Engr.

★**Ridgway, Penn.**—(Official)—Bids will be received until noon, June 1, by G. F. Greiner, Secy. of Council, for enlarging the filtration plant. F. W. Ward is Borough Engr.

Annapolis, Md.—The Annapolis Water Co. plans to construct a filtration plant, costing $29,000.

✚**Baltimore, Md.**—The contract has been awarded to the AMERICAN STEEL & WIRE CO., 30 Church St., New York, N. Y., at $11 per ton, for furnishing 2000 tons of sulphate of iron for the water department. Noted Apr. 29.

Covington, Va.—An election will be held June 5 to vote on the question of issuing $25,000 in bonds, the proceeds of which will be used for the construction complete of two reservoirs and for the extension of the distributing system. E. B. Butler is Mayor.

✚**Galax, Va.**—The contract has been awarded to R. L. BLEVINS, Bristol, Tenn., at $16,000, for pumps, a reservoir and 45 hydrants. B. D. Beamer is City Clk. Noted Apr. 22.

Grantsville, W. Va.—Bids will be received until 7 p.m., June 7, by S. T. Waldo, Recdr., for the purchase of $10,000 in bonds, the proceeds of which will be used for the construction of water and sewer systems. Noted Mar. 11.

✚**Ravenswood, W. Va.**—(Official)—The contract has been awarded to the H. C. BROOKS CO., Martinsburg, at $11,750, for constructing a water system. M. E. Gunther is Recdr.

✚★**Durham, N. C.**—Contracts have been awarded for constructing a water system as follows: CHRISTIAN CONSTRUCTION CO., Durham, at $32,977, for constructing a river station, city station and filter house; CHAPMAN VALVE MFG. CO., Indian Orchard, Mass., $2094, for gate valves; ALLIS-CHALMERS CO., Milwaukee, Wis., at $18,000, for pumping engines; DeLAVAL STEAM TURBINE CO., Trenton, N. J., at $11,200, for pumps and to the D. M. DILLON STEAM BOILER WORKS CO., at $7087, for boilers. Gilbert C. White Charlotte, is Engr. Noted Jan. 21 and Apr. 1.

Sylva, N. C.—Parker, Parker & Houser, Asheville, has been retained by the city to make surveys for the construction of the proposed water system.

✚**Jefferson, Ga.**—The contract has been awarded to CASE & COTHRAN, 1507 Chandler Bldg., Atlanta, for constructing a water system. Solomon - Norcross Co., Atlanta, is Engr. Noted Mar. 18.

Stone Mountain, Ga.—An election will be held June 5 to vote on the question of issuing $12,000 in bonds, part of which will be used for the construction of a water system.

Tallapoosa, Ga.—The citizens contemplate spending $40,000 for the construction of water and sewer systems.

Thomasville, Ga.—An election will probably be held to vote on the question of issuing $30,000 in bonds, the proceeds of which will be used for the extension of the water and electric-light systems.

Ft. Meade, Fla.—(Official)—Bonds for $7500 have been voted by the citizens, the proceeds of which will be used for the extension of the water and sewer system. G. L. Brodrick is Town Clk. Noted Sept. 10.

Lakeland, Fla.—Bonds for $135,000 have been sold, the proceeds of which will be used for the extension of the water and electric-light systems. Noted Oct. 22 and Feb. 18.

Phenix City, Ala.—(Phœnix post office)—Bonds for $16,000 have been voted by the citizens, the proceeds of which will be used for the extension and completion of the water system. Noted Apr. 29.

Pass Christian, Miss.—The City Council contemplates issuing $20,000 in bonds, part of which will be used for the extension of the water system.

Milan, Tenn.—Bonds for $12,000 have been voted by the citizens, the proceeds of which will be used for the improvement of the water and electric-light systems.

Shelbyville, Ky.—Bids will be received about June 1, according to press reports, for the installation of a rapid sand filtration plant for the water system. The estimated cost is between $12,000 and $14,000. Noted Apr. 29.

Marietta, Ohio—The city contemplates constructing a 6 000,000 gal. reservoir at an estimated cost of $50,000. E. F. Gates, Front St., is City Engr.

Wellington, Ohio—Bonds for $35,000 have been voted by the citizens, the proceeds of which will be used for the improvement of the water system. A reservoir and filtration plant will be constructed. Noted Apr. 1.

Westerville, Ohio—The citizens defeated the bond issue for $20,000, the proceeds of which was to have been used for the extension of the water system. Tthe question of issuing bonds will be submitted again to the voters. Noted Mar. 4.

Ahmeek, Mich.—An election will be held to vote on the question of issuing $17,000 in bonds, the proceeds of which will be used to build a water system. Noted Apr. 15.

✚Holland, Mich.—The contract has been awarded to JONKMAN & CLARK, Holland, at $15,500, by the Board of Public Works for constructing a water and light station.

Saginaw, Mich.—(Official)—We have been advised that the city will lay 6-in. water mains by day labor. R. F. Johnson is Comr. Noted May 13.

Aurora, Ill.—Bids will be received until 5 p.m., May 28, by the Board of Public Works for drilling and casing a 2200-ft. well. Noted May 6.

✚Joliet, Ill.—The contract has been awarded to the FOLEY CONSTRUCTION CO., Chicago, at $20,300, for constructing a reservoir.

✚Delavan, Wis.—The contract has been awarded to J. FLINT for laying water mains in alleys of the business section of the city.

✚Marcus, Iowa—The contract has been awarded to J. D. SHAW, Sioux City, at $20,000, by the city to drive a well for the new water system. Noted Apr. 29.

Spillville, Iowa—Bids will be received until 6 p.m., June 5, by the city for the construction of a water system. The materials required are as follows: 1625 ft. of 6-in., 2800 ft. of 4-in. mains, a 30,000-gal. tank or a 60,000-gal. concrete reservoir. The Des Moines Bridge & Iron Works, Des Moines, is Engr. Noted Apr. 8.

Campbell, Minn.—J. F. Druar, Consult. Engr., Commercial Bldg., St. Paul, has been retained by the city to prepare plans for the construction of a municipal water system. F. D. Glover is Pres. of Council.

✚Clinton, Minn.—The contract has been awarded to the DES MOINES BRIDGE & IRON CO., Des Moines, Iowa, at $4630, for making extensions to the water system. H. A. Hewitt is Recorder.

St. Paul, Minn.—The Water Board, according to press reports, has voted in favor of adopting the plan, submitted by Allen Hazen, New York, N. Y., for improvements to the water system. The estimated cost is $1,591,000.

Watkins, Minn.—Press reports state that C. H. West, St. Cloud, has been retained by the city to investigate the advisability of installing a water system and electric-light plant. Noted Apr. 15.

Garnett, Kan.—Bids will be received until May 25 by F. S. Mitchell, City Clk., for constructing a water system. Worley & Black, 301 Reliance Bldg., Kansas City, Mo., is Engr.

Canova, S. D.—Bonds for $9500 were voted at an election held May 11, according to press reports. The proceeds will be used for the installation of a municipal water system.

Caruthersville, Mo.—Bids will be received until June 2 by W. D. Byrd, Mayor, for making extensions and improvements to the water system. Frank L. Wilcox, Syndicate Trust Bldg., St. Louis, is Engr. Noted May 6.

Cumby, Tex.—Bonds for $10,000 have been voted by the citizens. The city will purchase the plant of the Cumby Water & Light Co. and will spend $70000 for making improvements to the plant. L. I. Mercer is Mayor. Noted Apr. 29.

Marlin, Tex.—The citizens contemplate spending $50,000 for the extension of the water system.

Beggs, Okla.—An election will be held May 20 to vote on the question of issuing $35,000 in bonds, the proceeds of which will be used for the construction of a water system.

Bromide, Okla.—(Official)—The Benham Engineering Co., Oklahoma, has been retained by the Board of Trustees to prepare estimates and plans for the construction of a water system and an electric-light plant. The probable cost is $15,000.

✚Montrose, Colo.—(Official)—Contracts have been awarded by the city for constructing a water system as follows: HENDRIE & BOLTHOFF MFG. CO., Denver, at $26,643 for steel pipe fittings, valves and hydrants; AMERICAN CAST IRON PIPE CO., Birmingham, Ala., at $22,124 for c.-i. pipe and specials and J. R. SUTHERLIN & CO., Kansas City, Mo., at $18,551 for labor, lead, jute, concrete and other materials not mentioned above. P. W. Pinkerton is City Mgr. Noted Feb. 18, Mar. 11 and 25, Apr. 8 and 22.

Centerville, Utah—An election will be held to vote on the question of issuing $40,000 in bonds, the proceeds of which will be used for the construction of a water system.

Sparks, Nev.—The Reno Power, Light & Water Co., Reno, plans to extend its system in Sparks.

✚Bellingham, Wash.—The contract has been awarded to the U. S. CAST IRON PIPE & FOUNDRY CO., Portland, Ore., at $30 per ton, for c.-i. water pipe.

✚Kirkland, Wash.—The contract has been awarded to J. ERICKSON, 5812 Woodlawn Ave., Kirkland, at $4995, for constructing a water system. The contract for furnishing pipe has been awarded to the AMERICAN WOOD PIPE CO., Tacoma, at $3933.

Prescott, Wash.—Bids will be received until May 24 by J. C. McSherry for making extensions to the water system. Noted Apr. 8.

✚Riverside, Wash.—(Official)—The contract has been awarded to C. A. COCHRAN, Spokane, at $8152, for constructing a water system. C. H. Green is Engr. and W. H. Patterson is Town Clk. Noted Apr. 29.

Tacoma, Wash.—The City Council contemplates installing water meters throughout its system. P. S. Savidge is Supt. of Water Wks. The estimated cost is $200,000.

Dallas, Ore.—(Official)—The citizens canceled the election which was to have been held for the purpose of voting $52,000 in bonds for the purchase and improvement of the water system. The election has been indefinitely postponed. Charles Gregory is City Recdr. Noted Mar. 25.

Reedsport, Ore.—Plans have been prepared by J. G. Kelley, Portland, for the construction of a six-mile pipe line from Clear Lake to supply water to Reedsport. The estimated cost is $100,000.

Seaside, Ore.—The installation of a water system is under consideration. The water will be obtained from Willanch Creek.

Hull, Que.—Bonds for $116,000 have been voted, the proceeds of which will be used for making extensions to the water system including the installation of an auxiliary turbine pump. Noted Dec. 24.

Montreal, Que.—Bids will be received until noon, June 15, by L. Lefebore, Ch. Engr., of the Quebec Streams Comn., 264 Parliament Bldg., Montreal, for constructing a storage water dam at La Loutre on the St. Maurice River.

Toronto, Ont.—New bids will be received by R. C. Harris, Comr. of Pub. Works, for two electrically driven centrifugal pumps of 20,000,000 gal. capacity for the main pumping station.

Wallaceburg, Ont.—Bids will be received until June 1 by the city for laying water mains.

SEWERS

Boston, Mass.—Bids were received Jan. 21 for the construction of the Dorchester Brook sewer and a sewer in Judson St., Dorchester District, as follows: West Roxbury Trap Rock Co., $44,470; Anthony Baruffaldi, $46,538; M. Russo & Sons, $47,255; Henry Sprague Construction Co., $47,739; William J. Barry, $47,868; James T. Conway, $50,309; Peter Bompiani & Co., $51,221; A. G. Tomasello, $52,705; Antony Cefalo, $52,758; McCarthy & Walsh, $53,241; George M. Bryne, $54,120; Coleman Bros., $54,982; William Barrett Co., $56,459; Peter W. Hill, $58,954; John Landis, $59,138; Charles Satorel, $59,959; John Guarino, $62,203; Robert L. Barrett, $62,874; Hugh Nawn Construction Co., $63,706. Noted Jan. 14.

✚Boston, Mass.—Bids were received May 7 by the Department of Public Works for sewerage work in Kempton and Mission St., Roxbury District, as follows: V. GRANDE, 50 Hull St., Boston, $1206 (awarded contract); James J. Conway, $1210; John Guarino, $1353; James Driscoll & Son Co., $1386; Charles Latorella, $1442; Timothy Coughlin, $1641; A. E. Daddario & Co., $1671; Antony Cefalo, $1693; Booth & Daddario, $1797; John McCourt Co., $1866; Charles J. Jacobs Co., $1895; M. H. Kelley, $1925; John A. Costello & Co., $1942; Peter Bompiani & Co., $2762; James L. Pierce & Co., $2968. Noted May 6.

Exeter, R. I.—See item under "Water Supply—Irrigation."

Pawtucket, R. I.—Bids will be received until noon, May 26, by George A. Carpenter, City Engr., for the construction of sewer from the filter fields north through the Moshassuck Valley to St. Francis Cemetery. J. D. Marshall is Chn. of Sewer Com.

✚Bridgeport, Conn.—The contract for the construction of sewers in Seaview and Housatonic Ave. has been awarded to the B. D. PIERCE, JR., CO., Bridgeport, at $18,600 and $56,886, respectively. Noted Apr. 29.

Torrington, Conn.—Plans have been submitted by George L. Robinson, Engr., New York, N. Y., for the construction of a septic tank to take care of the sewage and protect the watershed of the Torrington Water Co.

Westford, Conn.—The city contemplates the construction of a sewage-disposal plant and sewers.

Avon, N. Y.—Bids will be received until May 24 by the Board of Sewer Commissioners for the construction of 7000

ft. of sewers with manholes and flush tanks. William H. Clark is Village Clk. Noted Apr. 1.

Corona, N. Y.—Plans have been prepared for the construction of a sewer in Polk Ave. from 51st St. to Junction Ave. The estimated cost is $45,500.

Cortland, N. Y.—The city contemplates issuing $25,000 in bonds for the construction of sewers.

Kenmore, N. Y.—An election will soon be held to vote on the question of issuing $18,000 in bonds, the proceeds of which will be used for the construction of a sewer system. Mathew D. Young is Village Pres. Noted Jan. 28.

✚New York, N. Y.—(Borough of Brooklyn)—(Official)—The contract for the construction of a sewer in Wortman Ave. from New Jersey Ave. to Vermont St. has been awarded to the PELLAGRINO CONSTRUCTION CO., at $5017. Bids were opened Apr. 28. Noted Apr. 22 and May 6.

✚New York, N. Y.—(Borough of Brooklyn)—(Official)—Contracts have been awarded to NORTON & GORMAN, at $125,953 and $109,994, for the construction of sewers in various streets of the borough. Bids were opened Apr. 28. Noted May 6.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 2 p.m., May 24, by Marcus M. Marks, Borough Pres., for the construction of sewers in Liberty St. from Nassau St. to Broadway.

New York, N. Y.—(Borough of Queens)—(Official)—Bids will be received until 11 a.m., May 24, by Maurice M. Connolly, Borough Pres., for the construction of sewers and appurtenances in Polk Ave. from 51st St. to Junction Ave., Second Ward, and in Van Alst Ave. from Broadway to Ridge St., and in Ridge St. from Van Alst to Ely Ave., First Ward.

Rome, N. Y.—The Water and Sewer Board has approved plans prepared by C. W. Knight & Son, Consult. Engr., for the construction of the proposed sewage-disposal plant. Noted Oct. 29.

Chatham, N. J.—Bids will soon be received by J. W. Wagner, Chn. of Sewer Com., for the construction of a sewer in Summit Ave.

Newark, N. J.—Bids were received May 11 by the Passaic Valley Sewer Commission for the construction of the northerly portion of Section 19 of the Acquacknock, Garfield and Passaic branch of the Main Intercepting Sewer as follows: Harrison & Craig Co., Newark, $61,740; U. S. Drainage & Irrigation Co., New York, N. Y., $76,870; Culp Co., Inc., Paterson, $76,965; Harrison & Hall, New York, N. Y., $77,927; Cendalla & Co., Passaic, $82,975; Union Building & Construction Co., Passaic, $88,021; Oscar Daniels Co., New York, N. Y., $92,322. Noted May 6.

Palisades Park, N. J.—(Official)—Bids were received May 11 for constructing (a) sewer system and (b) a sewage-disposal plant as follows: Rudolph Garoni, Ft. Lee, N. J., (a) $50,934; Di Napoli & Toriele Construction Co., Hackensack, (a) $53,341; F. E. Gross & Son, Inc., Yonkers, N. Y., (a) $55,270, (b) $5158; Martin Miller & Pizzimenti, Cauldwell, (a) $55,385, (b) $7096; Frank Puglia, Paterson, (a) $60,781, (b) $5661; Edward English, Englewood, (a) $61,389, (b) $8203; Nolan & Hornung Construction Co., West Hoboken, (a) $63,384; Fusco Construction Co., Newark, (a) $68,042, (b) $9542; Averille Mathews Co., Newark, (b) $4980; Suburban Engineering Co., (b) $5894; A. E. Matthews, New York, N. Y., (b) $10,620; F. R. Long & W. G. Broadhurst, Hackensack, (b) $7559. B. E. Budds is Mayor.

Verona, N. J.—Plans are being prepared for the construction of a sewer system and a sewage-disposal plant. The estimated cost is $150,000. Robert Chesney is Clk. Frank W. Crane, 460 Bloomfield Ave., Montclair, and Clyde Potts, 30 Church St., New York, N. Y., are Engrs. Noted May 13.

Washington, N. J.—Bids will soon be received for the construction of storm sewers in Grand and West Washington Ave. Wilmot Eckel is Engr.

✚Allentown, Penn.—The contract has been awarded to SHAFFER & ACKERMAN for the construction of an inverted siphon sewer and another sewer to connect with the Liberty St. storm sewer.

Downingtown, Penn.—At a recent election the citizens voted to issue $70,000 in bonds, the proceeds of which will be used for the construction of a sewer system and sewage-disposal plant. Noted Oct. 22, Nov. 5 and May 6.

Johnstown, Penn.—At a recent election the citizens defeated the question of issuing $1,100,000 in bonds, the proceeds of which was to have been used for the construction of a sanitary sewer system and a sewage-disposal plant. C. P. Collins is Sanitary Engr. and Samuel M. Gray is Consult. Engr.

Montrose, Penn.—Bids will be received until June 10 by Borough Clerk for the construction of sewers and a sewage-disposal plant. The estimated cost is $9000, V. H. Shaw, Lancaster, is Consult. Engr.

✚Philadelphia, Penn.—Contracts for sewer construction have been awarded as follows: ROBERT HIGGINS, at $23,000, for the sewer in Adams Ave.; PHILADELPHIA PAVING & CONSTRUCTION CO., at $18,300, for the sewers in Fairhill and Fifth St. and in Olney Ave.; FRANK MARK CONSTRUCTION CO., at $28,000, for the Rock Run sewer in Seventh St.; JOSEPH LOMBARDI, at $24,000, for the Rock Run sewer in Ashdale St., ROBERT LOMBARDI, at $23,000 for the sewer in Robbins St.; EMILIO CASCUZZI, at $23,000, for the sewer in Venango St.; PEOPLE BROS., at $15,000, for the Winghocking St. sewer in Annsbury St. The contract for repairing the Thompson St. sewer has been awarded to the KEYSTONE STATE CONSTRUCTION CO., at $34,500. The contracts for the installation of inlets, manholes, wellholes, laterals and sewer spurs in different parts of the city has been awarded to J. JOSEPH McHUGH and F. T. BUCKIUS, at $15,000 respectively. Noted Apr. 22.

✚West Chester, Penn.—(Official)—The contract for the construction of a sewer system has been awarded to M. & T. E. FARRELL, West Chester, at $8880. W. R. Rambo is City Engr.

Middletown, Del.—At a recent election the citizens defeated the question to issue $25,000 in bonds, the proceeds of which was to have been used for the construction of a sewer system. Noted Dec. 3 and 24.

✚Charleston, W. Va.—Contracts for sewer construction have been awarded to the CHARLES M. SCANLON CONSTRUCTION CO., Huntington, and to JAMES FERRY & SONS, Baltimore, Md.

Grantsville, W. Va.—See item under "Water Supply-Irrigation."

Huntington, W. Va.—Bids will be received until May 2 by the City Commissioners for the construction of sewers in various streets. A. B. Maupin is City Engr.

✚Ravenswood, W. Va.—(Official)—The contract for the construction of sewers has been awarded to the W. N. SAUER PLUMBING CO., Pittsburgh, Penn., at $7306. J. V. Dunbar is Engr. Noted May 13.

Sylva, N. C.—Preliminary plans are being prepared by Parker & Houser, Asheville, for the construction of a sewer system.

✚Atlanta, Ga.—The contract for the construction of Group No. 2 of Atlanta lateral sewers has been awarded to CASE & COTHRAN, 1507 Candler Bldg., Atlanta.

✚Baxley, Ga.—(Official)—The contract for the construction of a sewer system has been awarded to W. HOPSON GOODLOE, Macon, Ga.

East Lake, Ga.—(Atlanta post office)—The citizens have voted $15,000 in bonds, the proceeds of which will be used for the construction of sewers and a drainage system. Howard Geldert is City Clk.

✚Jefferson, Ga.—A contract has been awarded to CASE & COTHRAN, 1507 Candler Bldg., Atlanta, for sewer construction. Noted Mar. 18.

Tallapoosa, Ga.—The city contemplates issuing $40,000 in bonds for sewer and water works construction.

✚Slocomb, Ala.—(Official)—The contract for the construction of a sewer system has been awarded to W. HOPSON GOODLOE, Macon, Ga.

Gulfport, Miss.—The City Commissioners contemplate issuing $5000 in bonds for the construction of a sanitary sewer system.

✚New Orleans, La.—The contract for the construction of addition to the pumping plant, Station No. 2, Contract 72-D, has been awarded to HAMPTON REYNOLDS, New Orleans, at $43,850. The contract for building sluice gates for Station No. 2, Contract 73-D, has been awarded to the CHAPMAN VALVE MFG. CO., Springfield, Mass., at $18,000. Noted Apr. 19 and May 13.

Paducah, Ky.—Plans have been prepared by the Aetna Engineering Co., Chicago, Ill., for the construction of a trunk sewer. L. A. Washington is Comr. of Pub. Wks. Noted Apr. 15 and 29.

Akron, Ohio—The State Board of Health has tentatively approved the request of the City Council for making changes in the plans for the construction of a sewage-disposal plant by lowering the cost $112,000. It is proposed to eliminate half of the filter beds and one sediment basin. R. Winthrop Pratt, Hippodrome Bldg., Cleveland, is Consult. Engr.

Cincinnati, Ohio—Bids were received May 3 by the Director of Public Service for constructing sewers in (a) Waveland Pl., (b) in Pinetree St., (c) in Kling and Mignon Ave., (d) in Julia Ann St., (e) in Larkspur Ave., as follows: Thomas P. Strack, Cincinnati, (a) $979, (b) $555, (c) $3746, (d) $1539, (e) $3022; D. P. Foley, Cincinnati, (a) $1014, (b) $790, (c) $2819 (informal), (d) $1254, (e) $2378; John Ruebel Construction Co., Cincinnati, (a) $1054, (c) $3738, (d) $1376, (e) $2902; M. J. Connelly, Jr., Cincinnati, (a) $1056, (b) $493, (c) $3244, (d) $1220; Welling & Franz, Cincinnati, (a) $1099, (b) $733, (c) $3131, (d) $1555, (e) $2378; Wagner & Boehning, Cincinnati, (a) $1146, (b) $565, (c) $3326, (d) $1369, (e) $2418; Evan Evans, Cincinnati, (a) $1192, (b) $698, (c) $3518, (d) $1792, e) $2855; Cannell-Ames Construction Co., Columbus, (a) $1644, (b) $847, (c) $4748, (d) $2080, (e) $2545; Thomas Maloney, Cincinnati, (b) $590, (c) $1419, (e) $2398; Henkel & Sullivan, Cincinnati, (c) $3574, (d) $1530; A. J. Cavanaugh, Cincinnati, (e) $1944; John Dempsey, Cincinnati, (e) $2119; J. M. McCarthy, Cincinnati, (e) $2184. Noted Apr. 29.

Cleveland, Ohio—Bids will be received until noon, May 27, by the Commissioner of Purchase and Supplies for the construction of sewers in Sandusky Ave. from East 93rd to East 102nd St., in Luke Rd. from East 134th to East 140th St., and in Superior Ave. from East 79th to East 82nd St. Robert Hoffman is City Engr.

Cleveland, Ohio—The lowest bid submitted for the construction of the East 65th St. sewer was that of John Wagner & Son., Cleveland, at $78,283. Other bids were: Manson Co., $84,741; J. Connelly Construction Co., $85,222; Hoag & Dall, $85,892; James Duff Construction Co., $102,949; Central Ohio Construction Co., $116,828. Robert Hoffman is City Engr.

✚Norwood, Ohio—The Board of Control has awarded the contract for the construction of a segmented block sewer in Foraker Terrace to WELLING & FRANZ, at $6900.

Sandusky, Ohio—Bids will soon be received by J. J. Molter, Dir. of Pub. Ser., for the construction of an intercepting sewer along the water front from Mills to Meigs St. The estimated cost is $98,000. R. L. J. Wagar is Engr.

Youngstown, Ohio—Bids will be received until noon, May 25, by H. C. Fox, Clk., for the construction of sewers in Japan St.

Brazil, Ind.—Preliminary plans have been prepared by F. C. Wilson, City Engr., for the construction of a trunk sewer for the West Side. Bids will soon be received by F. K. De Armoney, Clk. of City Council, for the construction of same.

✚Gary, Ind.—(Official)—The contract for the construction of District Sewer No. 24 has been awarded to W. F. BRUNT, Hammond, at $4215. W. J. Fulton is City Engr. Noted Mar. 8, Apr. 1 and May 13.

Princeton, Ind.—The construction of the proposed sewer system for the South Side has been indefinitely postponed. H. J. Toelle is City Engr. Noted May 6.

Christopher, Ill.—Bids will be received about July 1 by John W. Dye, Mayor, for the construction of a sewer system estimated to cost $62,000. Plans have been prepared by L. T. Putnam, Benton, Engr.-in-Charge. Noted Apr. 1.

Herrin, Ill.—(Official)—The contract for the construction of a mechanical filtration plant, with a 1,000,000 gal. daily capacity, will be awarded this month. R. L. Adams is City Engr.

Peoria, Ill.—Bids will be received until May 31 by the Commissioner of Public Works for the construction of 8-, 10-, 12- and 18-in. vitrified sewers with manholes. E. Bridges is City Engr.

Green Bay, Wis.—No bids were received by the City Clerk, May 4, for the construction of a 12-, 24-, 30-, 36- and 42-in. sewers in Irwin Ave. Noted Dec. 21 and Apr. 29.

Madison, Wis.—It is reported that work will soon be started on the improvement of the sewer system. The estimated cost is $91,000.

✚Oshkosh, Wis.—The contract for constructing 3000 ft. of 12- to 27-in. vitrified pipe sewer has been awarded to R. MIERSWA & SON, Oshkosh. AUGUST STREY, Oshkosh, has been awarded the contract for constructing 2700 ft. of 12- to 27-in. vitrified pipe sewer. George Randall is City Engr.

Oshkosh, Wis.—Bids will be received by George Randall, City Engr., for the construction of storm and sanitary sewers. The estimated cost is $35,000.

Racine, Wis.—Bids will be received until 10 a.m., May 22, by the Board of Public Works for the construction of sewers in 21st St. from Lake Michigan to West Blvd. P. H. Connolly is City Engr.

Racine, Wis.—Plans are being prepared by the Board of Public Works for extending the outlets of the English and 16th St. sewers into the lake such a distance that the outlets shall be submerged.

Wausau, Wis.—The city will issue $28,000 in bonds, the proceeds of which will be used for the construction of a sewer system.

Wausau, Wis.—(Official)—Bids will be received until 10 a.m., May 27, by the Board of Public Works for the construction of sewers. The estimated cost is $30,000. B. C. Gowen is City Engr. Noted May 13.

West Allis, Wis.—(Official)—Bids will be received until 1 p.m., May 29, by the Board of Public Works for the construction of storm sewers. E. G. Orbert is City Engr.

Davenport, Iowa—(Official)—The City Council has appointed a Sewerage Commission to prepare plans for the construction of a new sewer system and make an examination of the existing sewer system. John W. Crowley, Comr. of Pub. Wks., is Chn. of Comn. A. E. Boudinot is City Engr.

Lake Mills, Iowa—Bids will soon be received for the construction of a sewer system and a sewage-disposal plant. The estimated cost is $25,000. M. Tschirgi & Son, Engr., 713 American Trust Bldg., Cedar Rapids, prepared the plans. Noted Apr. 1.

Laporte City, Iowa—Plans are being prepared by M. Tschirgi & Son, Engr., 713 American Trust Bldg., Cedar Rapids, for the construction of a sewer system and a sewage-disposal plant. The estimated cost is $30,000. G. E. Stebbins is City Clk.

Salix, Iowa—Plans are being prepared by W. L. Bruce, Yankton, S. D., for the construction of a sewer system. The estimated cost is $10,000.

Duluth, Minn.—The city contemplates the construction of sanitary sewers in Tacony and Olney St. John Wilson is City Engr.

✚Eveleth, Minn.—The contract for the construction of a sewer has been awarded to the LAWRENCE-McCANN CO., at $4000.

✚Fairmont, Minn.—The contract for the construction of 8700 ft. of sewer has been awarded to the J. W. TURNER IMPROVEMENT CO., Des Moines, Iowa, at $13,016.

✚Glencoe, Minn.—The contract for the construction of a sewer has been awarded to J. M. DONAHUE, Stevens Point, Wis., at $6000.

✚Litchfield, Minn.—The contract for the construction of sewers has been awarded to E. LENHARD, Litchfield, at $5995. Other bids were: Illstrup & Olson, Minneapolis, $6890; Carl Christenson, Litchfield, $7161; F. A. Glass, Litchfield, $7771; Pastoret Construction Co., Duluth, $7380; Kircher Bros., St. Paul, $7715.

St. Paul, Minn.—Bids will be received until 10:30 a.m., May 24, by August Hohenstein, Pur. Agt., for the construction of sewers in various streets.

Spooner, Minn.—Surveys are being made by the Duluth Engineering Co. for the construction of sewer extensions.

Clyde, Kan.—Preliminary plans are being prepared for the construction of a sewer system. The estimated cost is $25,000. E. T. Archer & Co., 407 New England Bldg., Kansas City, Mo., is Engr.

✚Valley Falls, Kan.—(Official)—The contract for the construction of a sewer system has been awarded to the SQUIRE ELECTRIC & CONSTRUCTION CO., Kansas City, Mo., at $38,186. Other bids were: Lander & Gessner, Kansas City, Mo., $38,855; McGuire & Co., Leavenworth, Kan., $34,268; Intermountain Bridge & Construction Co., Tecumseh, Neb., $40,742; McCoy & Tayler, Ft. Scott, Kan., $41,992; Alamo Engineering & Supply Co., Omaha, Neb., $49,948. Worley & Black, Kansas City, Mo., is Consult. Engr. Noted Apr. 22 and 29.

✚Dundee, Neb.—(Omaha post office)—The contract for sewer construction has been awarded to PATRICK McARDLE, 1901 Park Ave., Omaha, at $5000.

Wisner, Neb.—At a recent election the citizens voted in favor of issuing $20,000 in bonds, the proceeds of which will be used for the construction of a sewer system. C. S. Daily is City Clk. Noted Apr. 1.

Armour, S. D.—The city will construct a sewer system, estimated to cost $20,000.

Brookings, S. D.—At a recent election the citizens voted to issue $88,000 in bonds, the proceeds of which will be used for the construction of a sewer system.

Howard, S. D.—(Official)—Bonds for $24,000 have been sold, the proceeds of which will be used for the construction of sewers. W. S. Bradbury is City Engr. Noted Apr. 29.

Parkston, S. D.—Plans have been prepared by W. L. Bruce, Yankton, S. D., for the construction of a sewer system. The estimated cost is $40,000.

Carutherasville, Mo.—Bids will be received until June 2 by W. D. Byrd, Mayor, for the construction of sewerage system. Frank L. Wilcox, Syndicate Trust Bldg., St. Louis, is Engr.

✚Kansas City, Mo.—The Board of Public Works has awarded the contract to MIDDLETON & LUDLOW for the construction of sewers in Districts Nos. 10 and 365 at $3522 and $12,588, respectively.

Springfield, Mo.—An election will be held June 2 to vote on the question of issuing $50,000 in bonds, the proceeds of which will be used for the construction of sewers and repairs to the old sewers.

Cleburne, Tex.—Bids will be received until 2 p.m., June 4, by Charles Wilhite, City Secy., for the construction of a sanitary sewer system and a sewage-disposal plant. The estimated cost is $180,000. Noted Oct. 8 and Mar. 25.

San Benito, Tex.—The city contemplates the construction of a municipal sewage-disposal plant.

Ogden, Utah—Plans have been approved by the City Commissioners for the construction of 4000 ft. of 8-in. pipe sewer. Washington Jenkins is City Engr.

✚Seattle, Wash.—The contract for the construction of sewers in Leary Ave. has been awarded to BENJAMIN, HAWKEY & GARTER, Seattle, at $19,974. Noted May 13.

✚Spokane, Wash.—(Official)—Contracts for the changes in the three groups of sewers in connection with the Northern Pacific grade separation work has been awarded to W. J. HOY CO., at $25,500; HEIKKILA, MILLER & LUOTO, at $1946 and $1885. Morton Macartney is City Engr. Noted Apr. 1 annd 29.

Portland, Ore.—The City Council contemplates constructing sewers in Cumberland Rd. The estimated cost is $9524.

✚Los Angeles, Calif.—(Official)—The contract for the construction of a sewer in Mission St. from Baldwin St. to North Broadway has been awarded to ADAM DALMATIN, 475 South Savannah St., Los Angeles, at $6300. Other bids were: B. Zaich, $5920; Mlayenovich & Gillespie, $7400; Andrew Jayidi, $7892; J. J. Veselich, $8900; John Sutalo, $9368. Homer Hanlin is City Engr.

Sacramento, Calif.—Bids will soon be received by the City Commissioner for the construction of the fifth unit of the trunk sewer in the annex district. M. J. Desmond is City Clk.

San Diego, Calif.—Plans are being prepared by the Department of City Engineering for the construction of a drainage conduit, approximately one mile long, in N St. from 13th St. to the bay.

Halifax, N. S.—The city will construct extensions to the sewers by day labor. The estimated cost is $150,000. T. W. Doane is City Engr. Noted Apr. 15.

St. Lamberts, Que.—An election will be held May 21 to vote on the question of constructing a trunk sewer and a sewage-disposal plant. The estimated cost is $200,00. E. Denkwater is City Engr.

Mille Roches, Ont.—Bids will be received until June 7 by John Mullin, Town Clk., for the construction of a drain estimated to cost $9000.

Toronto, Ont.—Bids will be received until noon, May 25, by T. L. Church, Chn. Bd. of Control, for the construction of the Argyl St. storm overflow sewer, Section No. 3, and for constructing sewers in St. Helen, McConnell, St. Claren, Lansdowne and Lumbervale Ave. and in College St.

Wallaceburg, Ont.—Bids will be received until June 1 by the city for the construction of sewers.

✚Esquimalt, B. C.—The contract has been awarded to THOMAS E. YOUNG, at $25,082, for the installation of Section A of the sewer system in the Craigflower District.

GARBAGE

Montclair, N. J.—The Garbage Disposal Committee of Montclair and Glen Ridge plan to build a joint garbage disposal plant. Hering & Gregory, 170 Broadway, New York, N. Y., is Engr.

Cincinnati, Ohio—The Board of Public Service and the Department of Health plan to build incinerating plants in the suburbs.

✚Lansing, Mich.—According to press reports the contract has been awarded to the CLEVELAND CHEMICAL CO., by the city for the collection and disposal of garbage. The company plans to build an incinerator at an estimated cost of $60,000. Noted Dec. 31 and Feb. 18.

✚Pontiac, Mich.—The contract for constructing an incinerator has been awarded by the City Commissioners to HENRY WAGNER, Cincinnati, Ohio, at $4603. Noted Mar. 25.

Sheboygan, Wis.—Bids were received May 7 by the Board of Public Works for a 12-ton garbage incinerator from: Decacie Incineratory Co., Minneapolis, Minn., $8800 and McGuire Incinerator Co., Chicago, Ill., $8785. Noted Dec. 24.

Superior, Wis.—According to press reports the city will build an incinerator at an estimated cost of $9000. C. M. Gould is Comr. of Health. Noted Nov. 12.

Lincoln, Neb.—Bonds for $50,000 have been voted, the proceeds of which will be used for the construction of a garbage disposal plant. Noted Apr. 15 and 29.

Joplin, Mo.—An election will soon be held to vote on the question of issuing $10,000 in bonds, the proceeds of which will be used for the construction of an incinerator. Noted Jan. 21.

STREETS AND ROADS

Derry, N. H.—Bids will be received until May 21 by the Superintendent of Highways for the resurfacing of the Rockingham Rd. in Salem and Derry. F. E. Everett, Concord, N. H., is Actg. Supt. State Highway.

Boston, Mass.—Bids will be received until May 2 by Public Works Department for asphalt, bitulithic and bituminous roadways in Mayhew and Oakland St., and until May 24 in Perth St. and Melvinside Terrace, Dorchester District. Patrick O'Hearn is Acting Comr.

Boston, Mass.—Press reports state that the city plans to spend approximately $500,000 for improving downtown streets. Patrick O'Hearn is Acting Comr. of Pub. Wks.

Boston, Mass.—Bids will be received until May 21 by the Supply Department for 200,000 gal. of road oil.

✚Hartford, Conn.—Bids were received May 10 by the State Highway Commissioner for state road work and contracts awarded as follows: Simsbury Township, about 5300 lin.ft. bituminous macadam (a), warrenite (b) or amiesite (c) pavement on Main St.: Connecticut & Rhode Island Co., Meriden, (c) $12,723; Warren Bros. Co., Boston, (b) $15,650; Edward Tracy, Derby, (a) $14,300; Edward Balf Co., Hartford, (a) $15,621; UNION PAVING CO., Schenectady, $12,723 (awarded contract). Greenwich Township, about 8475 lin.ft. of bituminous concrete (a), amiesite (b) or warrenite (c) pavement on Boston Post Rd.: Edward Tracy, Derby, (a) $19,949; Union Paving Co., Schenectady, (a) $18,767; Barker-Bonner, Inc., New York, (a) $19,366; W. H. ARTHUR, Stamford, (a) $17,138 (awarded contract); Charles T. Eastburn Co., Mount Vernon, (b) $17,987; Daly & Merritt, Port Chester, (a) $31,934; Warren Bros. Co., Boston, (c) $21,348. Westport Township, a section of brick pavement on the Boston Post Rd.: Daly & Merritt, Port Chester, $4950; H. Sanford Osborn, Redding Ridge, $4920; CONNECTICUT HASSAM PAVING CO., New Haven, $4698 (awarded contract); Charles T. Eastburn Co., Mt. Vernon, $4818; Barker-Bonner, Inc., New York, $5125; B. D. Pierce, Jr., Co., Bridgeport, $6562; Connecticut Good Roads & Construction Co., New Britain, $4870. Noted May 6.

Hartford, Conn.—Bids will be received until 2 p.m., June 1, by the State Highway Commissioner for constructing roads as follows: Barkhamsted Township, about 6160 lin.ft. combination gravel and native stone macadam or native stone macadam on the Pleasant Valley Rd. This work includes a reinforced-concrete bridge 22 ft. long. Hartland Township, about 8300 lin.ft. native stone macadam on the Riverton Rd. Somers Township, about 3198 lin.ft. native stone macadam on the Stafford-Somers trunk line. Andover Township, about 7300 lin.ft. native stone macadam on the Hebron Rd. This work includes a reinforced-concrete bridge, 40 ft. long.

✚Albany, N. Y.—(Official)—Bids were received May 11 by Edwin Duffey, State Highway Comr., and contracts awarded for repairing roads as follows:

Repair Contract No. 744, Chautauqua and Cattaraugus Counties, 33.38 miles—DALE ENGINEERING CO., Utica, $15,932 (awarded contract); Richard Hopkins, Troy, $16,152; I. B. Contracting Corporation, New York, $16,190; F. Harrison Higgins, Olean, $17,113; Defiance Corporation, Ticonderoga, $16,628; F. W. Knickenberg, Buffalo, $16,025.

Repair Contract No. 742, Cayuga County, 11.24 miles—J. H. Weidman, Syracuse, $18,152; DANA W. ROBBINS, New York, $17,481 (awarded contract); Brayer Bros., Auburn, $17,759.

Repair Contract No. 712, Cortland County, 11.22 miles—A. L. Call, Cortland, $4937; Paddleford & King, Sherburne, $4901; PATHFINDER CONSTRUCTION CO., INC., Fulton, $4350 (awarded contract); Nash & Griffin, Norwich, $5051; Richard Hopkins, Troy, $4599; Dana W. Robbins, New York, $4581; Fred G. Dutcher, Fulton, $4841; I. B. Contracting Corporation, New York, $4713; Michael O'Brien, Cortland, $4802.

Repair Contract No. 725, Dutchess County, 11.07 miles—Westchester-Dutchess Corporation, Mt. Vernon, $9797; Henry Clinton, Poughkeepsie, $10,240; Van Aken-Rifendery, Kingston, $10,604; John A. Jova, Inc., Newburgh, $9345; Thomas Brown, Poughkeepsie, $10,188; EDWARD HARTNEY, Modena, $8725 (awarded contract); I. B. Contracting Corporation, New York, $10,858; Defiance Corporation, Ticonderoga, $10,680; Thomas J. Martin, Beacon, $10,043; William Doyle, Saugerties, $10,060.

Repair Contract No. 743, Erie County, 22.79 miles—Defiance Corporation, Ticonderoga, $11,256; I. B. Contracting Corporation, New York, $11,012; F. W. KNICKENBERG, Buffalo, $10,860; De Barber & Hill, Fulton, $11,562.

Repair Contract No. 739, Lewis County, 15.77 miles—Burns Bros. & Haley, Watertown, $9076; Klock Co., Inc., Watertown, $8630; Guy H. Miller, Watertown, $8363; Semper Bros., Watertown, $8165; Harry W. Roberts & Co., Utica, $7963; DANA W. ROBBINS CO., New York, $7482; DeBarber & Hill, Fulton, $8399; I. B. Contracting Corporation, New York, $561; Richard Hopkins, Troy, $8089; Dale Engineering Co., Utica, $9695.

Repair Contract No. 737, Livingston and Ontario Counties, 22.33 miles—Hedley Good Roads Co., Philadelphia, Penn., $3604; Sweeney & Boland, Rochester, $3613; I. M. Ludington Sons, Inc., Rochester, $3634; Dale Engineering Co., Utica, $3888; E. P. STROWGER, Pittsford, $3598 (awarded contract).

Repair Contract No. 735, Monroe County, 19.94 miles—Ribstine-Holter Co., Inc., Rochester, $4004; Sweeney & Boland, Rochester, $3673; CROUCH BROS., Rochester, $3326 (awarded contract); Dale Engineering Co., Utica, $4248; I. B. Contracting Corporation, New York, $3948; Hedley Good Roads Co., Philadelphia, Penn., $3751; I. M. Ludington Sons, Inc., Rochester, $3833.

Repair Contract No. 736, Monroe County, 21.47 miles—I. M. Ludington Sons, Inc., Rochester, $5990; Hedley Good Roads Co., Philadelphia, Penn., $5995; Dale Engineering Co., Utica, $6215; CROUCH BROS., Rochester, $5466 (awarded contract); I. B. Contracting Corporation, New York, $6142; Sweeney & Boland, Rochester, $5710; Ribstine-Holter Co., Inc., Rochester, $6099.

Repair Contract No. 722, Niagara County, 28.43 miles—F. W. Knickenberg, Buffalo, $13,439; Defiance Corporation, Ticonderoga, $13,683; I. B. CONTRACTING CORPORATION, New York, $13,341 (awarded contract); Dale Engineering Co., Utica, $13,697.

Repair Contract No. 528, Niagara County, 24.14 miles—John M. Hackett, Dunkirk, $10,434; Dale Engineering Co., Utica, $10,723; Defiance Corporation, Ticonderoga, $10,696; F. W. Knickenberg, Buffalo, $10,456; De Barber & Hill, Fulton, $11,063; I. B. CONTRACTING CORPORATION, New York, $10,316 (awarded contract).

Repair Contract No. 646, Ontario County, 18.42 miles—Sweeney & Boland, Rochester, $4277; HEDLEY GOOD ROADS CO., Philadelphia, Penn., $4195 (awarded contract); I. M. Ludington Sons, Inc., Rochester, $4393; I. B. Contracting Corporation, New York, $4561.

Repair Contract No. 738, Orleans County, 20.54 miles—CLARENCE E. WALKER, Troy, $5393 (awarded contract); Dale Engineering Co., Utica, $6027; I. B. Contracting Corporation, New York, $6022; Hedley Good Roads Co., Philadelphia, Penn., $5803; Rhody & Clawson, Albion, $5926.

Repair Contract No. 739, Onondaga County, 14.91 miles—DANA W. ROBBINS, New York, $7125 (awarded contract); Fred D. Dutcher, Fulton, $7645; Richard Hopkins, Troy, $7366; I. B. Contracting Corporation, New York, $7675; John Capacello, Syracuse, $7445.

Repair Contract No. 720, Rensselaer County, 4.14 miles—Thomas H. Karr, Troy, $156; George Holler, Albany, $5087; E. A. FAILLE, Troy, $4487 (awarded contract); Crowe & Walsh, Pittsfield, Mass., $5726.

Repair Contract No. 727 (withdrawn).

Repair Contract No. 740, Tompkins County, 4.49 miles—Richard Hopkins, Troy, $5779; William Hassard, Trumansburg, $5625; John H. Gordon, Albany, $5564; Havard & Dater, Groton, $5041; J. H. WEIDMAN, Syracuse, $4888 (awarded contract); Patrick T. Conley, Ithaca, $5472.

Repair Contract No. 728, Westchester County, 25.01 miles—Daly & Merritt, Portchester, $17,577; Eggleston & Garthwaite, Yonkers, $17,161; Miguel L. Hauch, White Plains, $17,760; WESTCHESTER - DUTCHESS CORPORATION, Mt. Vernon, $15,245 (awarded contract); John L. Hayes Construction Co., Yonkers, $15,959; Edward Hartney, Modena, $16,500; I. B. Contracting Corporation, New York, $15,968; Thomas J. Martin, Beacon, $16,527; Murray & Gardner, Inc., Center Moriches, $19,212; Defiance Corporation, Ticonderoga, $17,601; White & Colligan, Purchase, $16,248. Noted Apr. 22.

★Albany, N. Y.—(Official)—Bids will be received until 1 p.m., June 4, by Edwin Duffey, State Highway Comr., for constructing and repairing highways in various counties.

Medina, N. Y.—The city has voted to borrow $22,500 for the improvement of paving West Center St. with asphalt block.

New York, N. Y.—(Borough of Bronx)—(Official)—Bids will be received until 10:30 a.m., May 25, by Douglas Mathewson, Borough Pres., for 200,000 gal. of asphalt road oil, 1500 cu.yd. of ashes, 225,000 gal. coal tar road oil, 225,000 gal. of tar road oil and for repairing asphalt block pavement and setting curb where necessary.

✚New York, N. Y.—(Borough of Brooklyn)—(Official)—Contracts have been awarded for paving Belmont Ave. from Van Sinderen Ave. to Snediker Ave. and from Alabama to Pennsylvania Ave., Lincoln Pl. from Underhill to Washington Ave. and 21st Ave. from 60th to 64th St. to the TOPEKA PAVING CO., INC., at $4719, $5522 and $7467 respectively. Noted Apr. 29 and May 13.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 2 p.m., May 24, by Marcus M. Marks, Borough Pres., for improving Dutch St. from John to Fulton St., 24th St. from Sixth to Seventh Ave., 54th St. from Third to Lexington Ave., 160th St. from Ft. Washington Ave. to a point 418 ft. west, 30th St. from Ninth to Tenth Ave., 38th St. from First to Second Ave., 160th St. from Ft. Washington Ave. to Riverside Drive and for constructing concrete sidewalks and laying and relaying flagging in various streets.

New York, N. Y.—(Borough of Manhattan)—(Official)—Bids were received May 5 by Marcus M. Marks, Borough Pres., for improving (a) Market St. from Cherry St. to East Broadway and Monroe St. from Pike to Market St., (b) 15th St. from Ave. A to Third Ave., (c) 30th St. from Eighth to Ninth Ave., (d) 32d St. from Second to Third Ave., (e) 40th St. from Second to Lexington Ave. as follows: Uvalde Asphalt Paving Co., (a) $13,350, (b) $20,168, (c) $7528, (d) $6503, (e) $10,523; Barber Asphalt Paving Co., (a) $18,436, (b) $17,099, (c) $7251, (d) $11,347, (e) $9204; Aztec Asphalt Co., Inc., (a) $13,496, (b) $13,421, (c) $5532, (d) $4566, (e) $7195; Sicilian Asphalt Paving Co., (a) $15,776, (b) $15,894, (c) $6035, (d) $5047, (e) $7930; Cleveland Trinidad Paving Co., (b) $20,163, (c) $7783, (d) $6433, (e) $23,336; Asphalt Construction Co., (c) $6739, (d) $5516, (e) $8734. Noted Apr. 29.

Jersey City, N. J.—(Official)—Bids will be received until 2 p.m., May 27, by the Board of Commissioners for paving Armstrong Ave. with brick and granite block pavement between the present macadam pavement west of Hudson Blvd. and West Side Ave. Michael I. Fagen is City Clk.

Jersey City, N. J.—The City Commissioners plan to repave and widen Ocean Ave. Henry Byrne is Comr.

Millburn, N. J.—The Millburn Township Committee plans the improvement of Prospect and Mountain Ave., Cypress, Maple, Pine and Elm St. with water-bound macadam pavement, providing roadways about 22 ft. wide. The work is estimated to cost $27,600.

Newark, N. J.—The Board of Street and Water Commissioners will improve Oraton St. and Clifton Ave. with asphalt pavement, on a 6-in. concrete foundation.

✚Trenton, N. J.—The Board of Freeholders has awarded a contract for the resurfacing of the Trenton-Allentown Turnpike with bituminous concrete to WILLIAM F. McGOVERN.

Trenton, N. J.—The Board of City Commissioners has approved an ordinance providing for the improvement of Ardmore Ave. with bituminous concrete on a 5-in. concrete base. Frank Thompson is City Clk.

Trenton, N. J.—The Board has received bids for the improvement of the Brunswick Pike, as follows: W. B. Spencer, $42,080; Charles A. Reid & Co., $42,606; Newton Paving Co., $43,658; Charles D. Beehurth, $45,236; Conrad Sebolt, $45,762; and Charles T. Eastburn, $45,762.

Weehawken, N. J.—The Township Committee is considering the improvement of Clifton and Columbia Terraces and Second and Seventh St., by paving with bituminous concrete.

West New York, N. J.—The Town Council plans to appropriate $18,000 for street and sewer work.

West New York, N. J.—The Town Council of West New York and the Township Commissioner of Weehawken, May 12, decided to improve Seventh St. between Park Ave. and the Blvd. loop. The street lies in the two towns.

West New York, N. J.—Bids will be received by the Town Council until May 25 for improving 16th St. from Bergenline Ave. to the Hudson County Blvd. and Buchanan and Westover Pl.

✦Baltimore, Md.—The contract for paving Haubert, Hull, Beason, Covington and Cross St. has been awarded to P. FLANIGAN & SON, at $42,183.

✦Elizabeth City, N. C.—The contract for paving Riverside Ave. and Road St. has been awarded to G. W. SWITZER & SONS.

✦Greenville, N. C.—(Official)—The contract for constructing sidewalks, combination curb and gutter and granite curb has been awarded to the GREENVILLE TILE & CONTRACTING CO., at $28,700.

Lincolnton, N. C.—Press reports state that the City Council plans to issue $20,000 in bonds, the proceeds of which will be used for street and other improvements.

✦★Anderson, S. C.—(Official)—The contract for laying about 75,000 sq.yd. of pavement has been awarded to the SOUTHERN PAVING & CONSTRUCTION CO., Chattanooga, at approximately $148,000. Noted Apr. 29.

LaFayette, Ga.—An election will be held July 7 to vote on the question of issuing $75,000 in bonds, the proceeds of which will be used for improving roads.

Thomasville, Ga.—The city contemplates holding an election for the purpose of voting on the question of issuing $50,000 in bonds, the proceeds of which will be used for paving streets.

DeLand, Fla.—An election will be held June 8 for the purpose of voting on the question of issuing $400,000 in bonds, the proceeds of which will be used for constructing roads in Volusia County.

Ft. Meade, Fla.—(Official)—Bids will be received until June 15 by the Board of Bond Trustees for the sale of $25,000 in bonds, the proceeds of which will be used for street paving.

Homestead, Fla.—The Commissioners of Dade County contemplate forming a special road district and issuing $100,000 in bonds, the proceeds of which will be used for highway improvements in the new district.

Lake City, Fla.—Bids will be received until May 31 for paving certain streets. The approximate cost of the work is $20,000. A. S. Miller is Engr.

Winter Park, Fla.—At a recent election the citizens voted in favor of issuing $10,000 in bonds, the proceeds of which will be used for street paving.

✦McComb City, Miss.—The contract for constructing concrete sidewalks has been awarded to P. C. POWERS & SON.

Meridian, Miss.—An election will be held June 10 to vote on the question of issuing $50,000 in bonds, the proceeds of which will be used for connecting roads in Lauderdale County with paved streets in Meridian.

Pass Christian, Miss.—According to press reports the City Council plans to issue $20,000 in bonds, the proceeds of which will be used for improving sidewalks.

✦Starkville, Miss.—A contract for constructing 31 miles of highway in the First District of Oktibbeha County has been awarded to F. D. HARVEY & CO., Memphis, Tenn.

Lake Charles, La.—Bids will be received until June 1 by the Police Jury for grading and graveling approximately two miles of road from Ryan and Alvin St. to south end of the proposed bridge across the Calcasieu River.

Sweetwater, Tenn.—An election will be held June 10 to vote on the question of issuing $5000 in bonds, the proceeds of which will be used for paving streets.

Louisville, Ky.—Bids will be received until May 27 by the Board of Public Works for paving Frank St., at an estimated cost of $13,000.

Morganfield, Ky.—The citizens of Union County contemplate voting on the question of issuing $450,000 in bonds, the proceeds of which will be used for improving roads.

Richmond, Ky.—The City Council will soon award the contract for paving Main St. with brick.

Barnesville, Ohio—Bids will be received until May 24 by F. W. Hilles, Village Clk., for paving South Gardner St.

Chagrin Falls, Ohio—Bids will be received until 8 p.m., June 14, by H. B. Pubsley, Clk., for the sale of $8830 in bonds, the proceeds of which will be used for improving Washington St.

Cincinnati, Ohio—(Official)—See item under "Bridges."

Cincinnati, Ohio—(Official)—Bids will be received until noon, June 11, by the Board of Commissioners of Hamilton County for repairing 25,300 ft. of the Batavia pike in Anderson Township. Albert Reinhardt is Clk. of Bd.

Cincinnati, Ohio—(Official)—Bids will be received until noon, June 11, by the Commissioners of Hamilton County, for improving the Werk Rd. from the Bridgetown Rd. to South Ave. Albert Reinhardt is Clk. of Bd.

✦Jeromesville, Ohio—(Official)—The contract for grading, draining and paving Main St. with brick has been awarded to HERRING & SON, Mansfield. Noted Apr. 15.

Rocky River, Ohio—Bids will be received until noon, June 1, by Frank Mitchell, Clk., for constructing concrete sidewalks on the North Ridge Rd.

✦Sandusky, Ohio—The contract for paving Columbus Ave. with brick has been awarded to EARL WALTERS, at $27,000.

Savannah, Ohio—Bids will be received until noon, June 1, by the Board of Trustees of Clearcreek Township to improve and macadamize five miles of road in Clearcreek Township.

Swanton, Ohio—Bids will be received until noon, May 24, by W. B. Elwell, Clk., for paving Chestnut St. Noted May 6.

Elkhart, Ind.—(Official)—We are advised that bids will be received about June 1 for paving Third, Jefferson, Sherman and Fifth St. and Indiana Ave. Noted May 6.

✦Rushville, Ind.—The contract for paving East Second St. has been awarded to the E. V. BERGEN CO., Franklin, Ind.

✦Metamora, Ill.—A contract for paving four blocks around the public square has been awarded to A. D. THOMPSON, Peoria, Ill., at $15,258.

✦Mt. Carmel, Ill.—(Official)—The contract for constructing a gravel road has been awarded to P. W. LENAHAN, Vincennes, at $63,000.

Beloit, Wis.—The city has issued $48,000 in bonds, the proceeds of which will be used for paving a number of streets.

De Pere, Wis.—The Common Council has voted in favor of paving George St. from Huron to Ridge St. with brick, concrete or asphalt. J. Stecker is Mayor.

✦Marshfield, Wis.—The contract for paving Central Ave. with brick has been awarded to the PETERSON CONSTRUCTION CO., Kenosha, at $66,399.

Merrill, Wis.—The City Council plans to pave Main and West St. with vitrified brick.

New London, Wis.—(Official)—Bids will be received until June 1 by J. C. Thompson, City Clk., for constructing approximately 1½ miles of road.

✦Prairie du Chien, Wis.—The contract for paving a portion of Bluff St. has been awarded to EDWARD L. BARTLETT, Watertown, at $22,848.

✦Sheboygan, Wis.—Contracts have been awarded for paving Erie St. to JOHN BRAUN, Sheboygan, at $22,850; North Second St. to GEORGE H. STANCHFIELD, Fond du Lac, at $15,086; South Ninth St. and Indiana Ave. to the MURPHY CONSTRUCTION CO., Manitowoc, at $11,357 and $12,150 respectively.

Mason City, Iowa—Bids will be received until 2 p.m., June 8, by George E. Frost, Audr. of Cerro Gordo County, for grading Sections A, B, C, D, E and F of the Mason City-Plymouth Rd.

Blue Earth, Minn.—The City Council plans to pave Main and Sixth St. with creosoted blocks.

✦Duluth, Minn.—The contract for paving Minnesota Ave. from 12th to 28th St. has been awarded to the S. R. OKES CONSTRUCTION CO., at $52,897.

Fairmont, Minn.—The city plans to issue $60,000 in bonds, the proceeds of which will be used for paving various streets.

Hutchinson, Kan.—Bids will be received until noon, June 10, by G. W. Lee, Clk. of Reno County, for paving five miles with sand and clay.

Manning, N. D.—Bids will be received until 2 p.m., June 8, by the Commissioners of Dunn County for grading various roads.

✦Fayette, Mo.—The contract for paving Church St. has been awarded to JOHN A. STEWART, Columbia.

✦Kansas City, Mo.—The contract for constructing concrete pavement on Third St. from Broadway to Wyandotte Ave. has been awarded to WILLIAM HARTE, at $5169.

✦Belton, Tex.—A contract for constructing gravel roads has been awarded to W. T. MONTGOMERY, San Antonio, at $15,000.

Clarksville, Tex.—According to press reports bids will be received until May 31 for constructing a number of new streets. E. F. Peterson, Muskogee, Okla., is Engr.

Commerce, Tex.—At a recent election the citizens voted in favor of issuing $32,500 in bonds, the proceeds of which will be used for paving a number of streets.

✦Ennis, Tex.—A contract for laying 26,000 sq.yd. of brick pavement has been awarded to the KAW PAVING CO., Topeka, Kan., at $57,940.

Jourdanton, Tex.—Press reports state that at a recent election the citizens voted in favor of issuing $10,000 in bonds, the proceeds of which will be used for street paving.

Kountze, Tex.—Bids will be received until 11 a.m., May 24, by the Commissioners' Court of Hardin County for the sale of $150,000 in bonds, the proceeds of which will be used for road improvements in District No. 1. Noted Feb. 18.

Yoakum, Tex.—At the election held May 5 the citizens of Lavaca County voted in favor of issuing $50,000 in bonds, the proceeds of which will be used for improvements in Road District No. 1. Noted Apr. 29.

Lewiston, Idaho—An election will be held June 14 to vote on the question of issuing $40,000 in bonds, the proceeds of which will be used for improving various streets.

St. Johns, Ariz.—The $125,000 of good roads bonds which was issued recently by Apache County have been sold and the proposed improvements will soon be started.

✦Olympia, Wash.—(Official)—Contracts have been awarded for surfacing the following roads: Pacific Highway from Blaine south in Whatcom County, to WORTHEN & SATTERTHWAITE, Lynden, Wash., at $6444; Pacific Highway, from Kalama southerly in Cowlitz County, to PORTER & CONLEY, INC., Portland, Ore., at $11,576; Pacific Highway, from Carrollton northerly in Cowlitz County, to MONTAGUE-O'REILLY CO., Portland, Ore., $5060. Noted Apr. 22.

✦Bakersfield, Calif.—(Official)—A contract for grading and constructing culverts on Division 9, Section 3, of the Bakersfield-Glenville Rd. has been awarded to F. H. JAMESON, Bakersfield, at $6252. Other bids were: W. J. Cahill, $9212 and Castro & Blaisdell, $6460. Noted Apr. 29.

Burlingame, Calif.—Bids will soon be received by the City Trustees for paving Cypress Ave. and portions of Occidental and Barrichlet Ave. The estimated cost is $13,544.

Eagle Rock, Calif.—The City Trustees have decided to pave Central Ave. with macadam. The work will cost approximately $30,000.

✦East San Diego, Calif.—The C. L. HYDE CONSTRUCTING CO., 233 Spreckles Bldg., San Diego, has been awarded the contract at $16,204 for improving Chamoune Ave.

Hanford, Calif.—The citizens of Kings County voted in favor of issuing $672,500 in bonds, the proceeds of which will be used for constructing 108 miles of highways.

✦Los Angeles, Calif.—The contract for improving Kohler St. has been awarded to BENJAMIN F. FORD and FRED H STOUT, at $11,031.

✚**Los Angeles, Calif.**—The contract for improving Dalton Ave. from St. Barbara to Vernon Ave. has been awarded to BRYANT & AUSTIN, at $11,276.

✚**Pasadena, Calif.**—The contract for improving Terrace and Elevado Drive has been awarded to ANDREW HOLLOWAY, at $12,983.

✚**San Bernardino, Calif.**—A contract for constructing 3.523 miles of concrete highway on Archibald Ave. has been awarded to L. FLEMING & SON, 105 North Park Ave., at $16,004.

✚**San Mateo, Calif.**—A contract for paving a number of streets has been awarded to the McGILLIVRAY CONSTRUCTION CO., Sacramento, at $71,032.

Santa Ana, Calif.—Bids will be received until 2 p.m., May 25, by the Board of Supervisors for improving the El Toro County Rd.

Sawtelle, Calif.—The City Trustees have decided to pave the Santa Monica Blvd. The estimated cost of the work is $90,000.

Wallaceburg, Ont.—The Town Council plans to lay concrete sidewalks on a number of streets.

Wingham, Ont.—The City Council plans to lay granolithic sidewalks on John, Catherine and William St. John F. Groves is Clk.

INDUSTRIAL WORKS

Portland, Maine—The Deering Ice Cream Co. contemplates the construction of a 100x100-ft. concrete factory at D and St. John St.

✚**Worcester, Mass.**—E. J. CROSS CO., has received the contract for the construction of a three-story, 28x60-ft. addition to the plant of the Mills Woven Cartridge Belt Co., 70 Webster St. It will be of brick and mill construction, and will cost $12,000.

✚**Worcester, Mass.**—The contract for the construction of a one-story, 65x165-ft., brick warehouse, and a two-story, 20x36-ft., brick stable for the National Biscuit Co., on Grafton St., has been awarded to ISRAEL GOLDMAN.

Worcester, Mass.—The Wyman & Gordon Co. contemplates extensive additions to its plant. Harry G. Stoddard is Gen. Mgr.

✚**Worcester, Mass.**—Armour & Co., Union Stock Yards, Chicago, Ill., has awarded the contract for the construction of a four-story, 73x110-ft., brick and concrete, cold-storage warehouse and a 30x45-ft. engine room, to the BLOME-SINEK CO., 127 North Clark St., Chicago, Ill. Noted Apr. 8.

✚**Woonsocket, R. I.**—The Lanton Spinning Co., has awarded the contract to W. O. PURRINGTON, Providence, R. I., for the construction of a three-story, 65x100 ft. and a one-story, 10x60-ft. addition to its factory. William A. Halliwell is Agt.

✚**Ansonia, Conn.**—The ABERTHAW CONSTRUCTION CO., 8 Beacon St., Boston, Mass., has been awarded the contract for the construction of a one-story, 60x200-ft., brick and steel addition to the plant of the American Brass Co.

Bridgeport, Conn.—The Locomobile Co. of America will build a $60,000 addition to its plant.

Greenwich, Conn.—Plans have been completed by F. G. C. Smith, Arch., Smith Bldg., for the construction of a one-story, 26x180-ft. garage for J. R. Johnson, to cost $15,000.

✚**Hartford, Conn.**—The Billings & Spencer Co. has awarded the contract to the J. H. GROZIER CO. for alterations and improvements to its plant, to cost over $100,000.

Hartford, Conn.—(Official)—Berenson & Goodrich, Arch., Pilgrade Bldg., informs us that all bids were rejected for the construction of a three-story, 30x96-ft. garage building for E. Gross & Co., 95 Commerce St. It has not been decided when new bids will be received. Noted May 6.

✚**Hartford, Conn.**—The Hartford Machine Screw Co. has awarded the contract for the construction of a five-story, 50x206-ft. factory to ROBERT PORTEUS. It will cost about $75,000. Noted Apr. 29.

✚**Meriden, Conn.**—LEWIS A. MILLER has been awarded the contract for the construction of a laboratory for the Pan-American Reduction Co.

✚**Stamford, Conn.**—The O'CONNOR CONCRETE CONSTRUCTION CO., 1 Bank St., has been awarded the contract for the construction of a one-story factory on Fairfield Ave. for Baer Bros., 700 Canal St. Henry Marvin, 10 Burlington Arcade, is Arch.

Waterbury, Conn.—The Waterbury Tool Co. has purchased a site on Watertown St., and contemplates the construction of a factory.

Buffalo, N. Y.—Bids will soon be received for the construction of a one-story, 146x200-ft. garage for S. M. Flickinger, 79 Perry St., at an estimated cost of $15,000. Robert J. Reidpath & Son, Builders Exchange, is Arch.

✚**Buffalo, N. Y.**—(Official)—The TURNER CONSTRUCTION CO., 11 Broadway, New York, N. Y., has been awarded the contract for the construction of a four-story, 100x400-ft., reinforced-concrete, terra cotta and brick service station and salesroom building at Main and Jewett St., for the Ford Motor Car Co. A. Kahn and E. Wilby, 58 West Lafayette Bldg., Detroit, Mich., are Arch. Noted May 6.

✚**Elmira, N. Y.**—The Morrow Mfg. Co. has awarded the contract to the COMPTON REALTY CO., for the construction of a 179x450-ft. addition to its plant.

Gloversville, N. Y.—The Wood & Hyde Co. will build a two-story, 65x67-ft. addition to its plant, with a two-story, 25x31-ft. wing.

New York, N. Y.—(Borough of Bronx)—Bids have been received by the Ames Transfer Co., Charles B. Ames, Pres., Kingsbridge Ave., near 236th St., for the construction of a six-story, 56x100-ft., garage and warehouse, estimated to cost $75,000. John G. Kleihenz, 1839 East 12th St. (Borough of Brooklyn), is Arch.

Poughkeepsie, N. Y.—Smith Bros. plans the construction of a $100,000 factory on North Hamilton St. It will also make improvements to its present plant to cost $75,000.

Syracuse, N. Y.—The Syracuse Cold Storage Co. will build a seven-story, 92x116 ft., reinforced-concrete warehouse to cost $125,000. W. C. Jarvis, Indianapolis, Ind., is Arch. J. Morrison Colwell is Pres.

✚**Camden, N. J.**—The Victor Talking Machine Co. has awarded the contract for the construction of a factory to IRWIN & LEIGHTON. Ballinger & Perrot, 1328 Broadway, New York, N. Y., is Arch. Noted Feb. 4.

Camden, N. J.—The F. W. Taubel Co., Inc., will build a 120x120-ft. factory at Eighth and Spruce St.

Elizabeth, N. J.—The Leipzig Aniline Co., Leipzig, Germany, capitalized at $200,000, will construct a plant. John Fulton, Jr., is interested.

Hightstown, N. J.—The Hightstown Symrna Rug Co. will build a three-story, 50x100-ft. addition to its factory, to cost approximately $100,000.

✚**Jersey City, N. J.**—The MICHAEL T. CONNOLLY CONTRACTING CO., at $94,682, has been awarded the contract for the construction of a four-story packing-house on Henderson St., for the Nagle Packing Co. Noted July 2 and Jan. 28.

✚**Newark, N. J.**—James A. Banister Co., has awarded the contract for the construction of a factory at Orange St. and Morris Canal, to FRANK HILL SMITH, at $125,529.

✚**Perth Amboy, N. J.**—(Official)—F. G. Ring, Arch., 280 North Broad St., Elizabeth, N. J., advises us that the contract for the construction of a four-story, 35x76-ft., steel-frame and brick building for the Chesebrough Mfg. Co., has been awarded to MEAGHER & SMITH, Perth Amboy, N. J., at $23,000. Noted May 6.

Phillipsburg, N. J.—Reynolds & Tirrell has purchased a site on Warren St., and contemplates the construction of a 90x130-ft., brick, silk mill.

Plainfield, N. J.—(Official)—The Sauer Motor Co. advises us that the construction of a building is only under consideration. Noted May 6.

West Hoboken, N. J.—Bids are being received by August Kleinke, Smith and Clinton Ave., for the construction of a one-story garage. J. D. Lugosch, Union Hill, N. J., is Arch. The estimated cost is $10,000.

✚**Carbondale, Penn.**—The Delaware & Hudson Co. has awarded the contract to PORTER BROS., Wilkes-Barre, Penn., for the construction of a $100,000 cold-storage plant.

✚**Eddystone, Penn.**—The Baldwin Locomotive Works has awarded the contract to SEEDS & DERHAM, for the construction of a one-story, 900x1200-ft., concrete and hollow tile factory to cost about $500,000.

✚**Harrisburg, Penn.**—(Official)—Day & Zimmerman, Arch., 611 Chestnut St., Philadelphia, Penn., advises us that the contract for the construction of six one- and two-story factories for the W. O. Hickok Mfg. Co., has been awarded to F. A. HAVENS & CO., 845 North 19th St., Philadelphia, Penn., at approximately $70,000. Noted May 6.

Hazleton, Penn.—The Duplan Silk Co. will build a two-story, 90x185-ft. factory. Ballinger & Perrot, 1211 Arch St., Philadelphia, Penn., is Arch.

Norristown, Penn.—The Ballard Knitting Co. is reported to have purchased a site here, and plans to construct a four-story factory to contain 30,000 sq.ft. of floor space.

✚**Philadelphia, Penn.**—The Edwin J. Schoettle Co., 237 North Sixth St., has awarded the contract for the construction of an eight-story, 80x100-ft., reinforced-concrete and brick factory at 11th and Brandywine St., to the TURNER CONCRETE STEEL CO., 1314 Arch St. Noted Feb. 4.

Philadelphia, Penn.—The Pennsylvania Laundry Co., 33rd St., will build a one-story, 46x170-ft. garage and stable, to cost approximately $25,000. William Lowenthal, Arch., 1208 Chestnut St., is receiving bids.

Philadelphia, Penn.—The Publicker-Ward Distilling Co., Water St. and Snyder Ave., will build a one-story and a four-story addition to its plant. Peuckert & Wunder, 310 Chestnut St., is Arch. The estimated cost is $20,000.

Wilmerding, Penn.—The Westinghouse Air Brake Co. has plans completed for additions to its plant to include two 100x500-ft. buildings, one 65x200-ft. building, and an 80x150-ft. building.

✚**Newport, Del.**—The Krebs Pigment & Chemical Co. has awarded the contract to the TURNER CONSTRUCTION CO., 11 Broadway, New York, N. Y., for the construction of its three-story, 103x223-ft., brick and reinforced-concrete plant. Noted May 6.

✚**Baltimore, Md.**—The contract for the construction of a 110x119-ft., brick garage at 2502 Eutaw Ave., for Isaac E. Emerson, has been awarded to WILLIAM H. PARKER, 1429 East Baltimore St. Joseph Evans Sperry, 409 Calvert Bldg., is Arch.

✚**Baltimore, Md.**—The contract has been awarded by the Canton Co., Commerce and Water St., to BURNS & RUSSELL, 1103 American Bldg., for the construction of a four-story, 90x100-ft. store-house, a 35x150-ft. packing house, and a 26x58-ft. pump and boiler house, to cost $55,000. Noted May 6.

Baltimore, Md.—The Shawinigan Electro Products Co. has been organized with a capital of $250,000, and will build a plant. Charles E. F. Clarke, Pres. of the Pennsylvania Water & Power Co., United States Fidelity Guaranty Bldg., is interested.

Hagerstown, Md.—The Pangborn Corporation will build a two-story, 100x190-ft. factory, to cost $50,000. Peuckert & Wunder, 310 Chestnut St., Philadelphia, Penn., is Arch.

Huntington, W. Va.—The Huntington Alloy Co. has been incorporated and will build a $25,000 plant.

Quitman, Ga.—The Thompson Mill, recently destroyed by fire at a loss of $40,000, will be rebuilt.

Georgiana, Ala.—W. R. McGowin and J. R. Bennett will build a three-story feed plant, to cost $15,000. The contract will soon be awarded.

Ridgedale, Tenn.—The Standard Processing Co. will build a $10,000 addition to its mill.

Cincinnati, Ohio—Joseph Rawson and Edward Rawson, 3737 Clifton Ave., will build a three-story, 50x150-ft. garage and salesroom, estimated to cost $35,000. Zettle & Rapp, 607 Johnston Bldg., is Arch.

Cincinnati, Ohio—The Ray K. Barlow Co. will erect a four-story, $50,000 building at Canal and Rose St. Harry Hake, 802 Providence Bank Bldg., is Arch.

Cleveland, Ohio—W. J. Carter, Engr., Illuminating Bldg., has prepared plans for the construction of a three-story, 50x90-ft. factory for the Van Dorn & Dutton Co., 2714 East 79th St.

Cleveland, Ohio—The F. B. Stearns Co. will construct a four-story, 70x250-ft. addition to its plant at Euclid Ave. and Lakeview Rd.

Cleveland, Ohio—The A. Teachout Co. is having plans prepared for rebuilding its plant at 11,722 Euclid Ave., partially destroyed by fire Apr. 23, at a loss of $30,000.

✚**Columbus, Ohio**—The contract for the construction of a factory at Third Ave. and Pennsylvania R.R., for the Solar Products Co., has been awarded to the SAMUEL AUSTIN & SON CO., 14,230 Euclid Ave., Cleveland. Estimated cost, $38,000. Noted Apr. 22.

✚**Dayton, Ohio**—A. BUTLER & SONS CO., Toledo, Ohio, has been awarded the contract for the construction of the Delco plant.

✚**Urbana, Ohio**—The contract for the construction of a 160x75-ft. factory for the Johnson Mfg. Co., has been awarded to J. A. POSS, Springfield, Ohio.

Anderson, Ind.—The Plost Post Co. will rebuild its plant which was recently destroyed by fire.

✚**Evansville, Ind.**—The Blount Plow Works, Walter E. Blount, Gen. Mgr., has awarded the contract to WILLIAM M. TORRANCE, for the construction of its plant.

Muskegon, Mich.—The Cast Iron Plumbing & Steam Goods Mfg. Co. plans the construction of a plant on Western Ave., to cost $12,000.

Bloomington, Ill.—George Gildner will build a three-story, 80x100-ft. garage to cost about $30,000. George B. Rheinfrank, 601 Gardner Bldg., Toledo, Ohio, is Arch.

Chicago, Ill.—The Chicago Screw Co., 1024 South Homan Ave., will build a three-story, brick addition to its plant to cost $35,000. Postle & Fischer, 140 South Dearborn St., is Arch.

Chicago, Ill.—The J. F. Jelke Co., 2616 West Polk St., will build a $100,000 addition to its plant. D. H. Burnham Co., 80 East Jackson St., is Arch.

Peoria, Ill.—The Cappel-Girard Co. will build a $30,000 structure at Harrison and Washington St.

✚**Peoria, Ill.**—V. JOBST & SONS has been awarded the contract for the construction of a six-story, 100x166-ft., reinforced-concrete building at Adams and Oak St., for the Federal Warehouse Co., to cost about $200,000. Reeves & Baillie is Arch.

Milwaukee, Wis.—The Ford Automobile Co., Detroit, Mich., will build a seven-story, 160x320-ft., plant near the Northwestern R.R., estimated to cost $250,000. Noted May 6.

✚**Duluth, Minn.**—(Official)—W. T. Bray, Arch., advises us that the contract for the construction of a three-story, 50x115-ft., reinforced-concrete garage for W. M. Brindler & Co., Lonsdale Bldg., has been awarded to GEORGE H. LOUNSBERRY, Lonsdale Bldg., at $18,750. Noted Apr. 29 and May 6.

Mapleton, Minn.—Borchert Bros. will build a two-story, 44x120-ft. garage to cost $18,000. H. C. Gerbach, I. O. O. F. Bldg., Mankato, Minn., is Arch.

✚**Minneapolis, Minn.**—(Official)—Bertrand & Chamberlin, Arch., Northwest Bank Bldg., advises us that the contract has been awarded to RICHARD BILLINGSLEY, Kasota Bldg., at $119,995, for the construction of a five-story, 100x209 ft., reinforced-concrete warehouse for the W. L. Harris Realty Co. Noted Apr. 29 and May 6.

St. Paul, Minn.—John Morrell Co., Sioux Falls, S. D., will build a two-story, 50x100-ft., brick warehouse at Sixth and Pine St. Peter J. Linhoff, Arch., Germania Life Bldg., is receiving bids.

Omaha, Neb.—The Farmers Coöperative Creamery Co., Omaha, Neb., will construct a warehouse, to cost $35,000.

St. Louis, Mo.—The Steinlage Sanitary Milk Co., Florissant Ave., will build a 50x110-ft., reinforced-concrete plant, to cost $50,000. Work will soon begin.

Pine Bluff, Ark.—The Standard Brake Shoe & Foundry Co., recently organized, contemplates the construction of a $40,000 plant.

Spokane, Wash.—The Carstens Packing Co. announces that it will make alterations and improvements to its plant at an estimated cost of $40,000.

Albany, Ore.—(Official)—C. O. Anderson advises us that he will not build a new plant, but will remodel the old one. Noted Apr. 29.

Klamath Falls, Ore.—The Klamath Falls Meat Co. will build a concrete packing plant to cost $25,000.

Portland, Ore.—The Doernbecker Furniture Mfg. Co. will build a six-story, 100x150-ft. warehouse at East 28th St. and Sullivan's Gulch, to cost $50,000. Jacobberger & Smith is Arch.

Portland, Ore.—The D. P. Thompson Estate will build a three-story, 100x100-ft. warehouse, brick and mill construction, at Irving and 15th St., to cost about $30,000. Root & Kerr is Arch.

Portland, Ore.—Work will soon be started on the construction of a two-story, 56x98-ft., and a one-story, 125x200-ft. building for the Western Sash & Door Co.

Roseburg, Ore.—The Kendall Bros. will build a $500,000 plant. R. S. Jobson is Arch.

✚**Salem, Ore.**—The Spaulding Lumber Co. has awarded the contract for the remodeling and rebuilding of its lumber mill to L. C. EASTMAN, Silverton, Ore.

Avon, Calif.—(Martinez post office)—(Official)—The Associated Oil Co., Sharon Bldg., San Francisco, Calif., advises us that construction work will begin immediately on additional stills and tanks at its plant. Arthur F. L. Bell is Ch. Engr. Noted Apr. 22.

Ceres, Calif.—The Dairymen's Associated Condensed Milk Co. will build a condensary to cost about $50,000. V. D. Whitmore is interested.

Corning, Calif.—H. J. Heinz plans to construct a factory for olive packing.

Kingsburg, Calif.—The Kingsburg Co-Operative Cannery will construct a one-story, 85x320-ft., frame cannery building.

Woodland, Calif.—A condensary will be constructed for the Dairymen's Associated Condensed Milk Co., to cost about $50,000. J. L. Harlan is interested.

Chatham, Ont.—The Dominion Sugar Co., Wallaceburg, Ont., has purchased a site, and will build a sugar refinery to cost $1,000,000.

FEDERAL GOVERNMENT WORK

The following amounts have been available for certain works of river and harbor improvement under authority of the river and harbor act approved Mar. 4, 1915, appropriating $30,000,000, for preservation and maintenance of existing river and harbor works and for the prosecution of projects heretofore authorized: St. Croix River, Maine, $50,000; Portland Harbor, Maine, $105,000; Boston Harbor, Mass., $135,769; New Bedford and Fairhaven Harbors, Mass., $56,610; Harbor at Fall River, Mass., $12,000; Harbor of Refuge at Point Judith, R. I., $75,000; Pawcatuck River, R. I. and Conn., $1000; Thames River, Conn., $14,500; Connecticut River below Hartford, Conn., $30,000; Branford Harbor, Conn., $4000; Housatonic River, Conn., $6000.

Port Chester Harbor, N. Y., $10,000; Mamaroneck Harbor, N. Y., $14,800; East Chester Creek, N. Y., $5000; Bronx River, N. Y., $100,000; Harlem River, N. Y., $75,000; Plattsburg Harbor, N. Y., $2000; Narrows of Lake Champlain, N. Y. and Vt., $3000; Hudson River, N. Y., $877,780. (In addition to this $877,780, there has been allotted from the act of Oct. 2, 1914, the additional sum of $622,220, thus making available for Hudson River a total of $1,500,000.) Rondout Harbor, N. Y., $3000; Tarrytown Harbor, N. Y., $3000; Channel in Gowanus Bay, N. Y., Bay Ridge and Red Hook Channels, $125,000; Newtown Creek, N. Y., $15,000; Great South Bay, N. Y., $5000; Browns Creek, N. Y., $2000; Sheepshead Bay, N. Y., $5000; Huntington Harbor, N. Y., $5000; Arthur Kill, or Staten Island Sound, N. Y. and N. J., $400,000; Passaic River, N. J., $100,000; Shrewsbury River, N. J., $18,000; Raritan Bay, N. J., $20,000; Keyport Harbor, Matawan Creek, Raritan, South, and Elizabeth Rivers, Shoal Harbor and Compton Creek, and Cheesequake Creek, N. J., $24,00; Woodbridge Creek, N. J., $6000; Delaware River, Penn. and N. J., above Lalor St., Trenton, N. J., $6612; Delaware River, Penn. and N. J., from Philadelphia to the sea, $1,000,000; Wilmington Harbor, Del., $45,000; Absecon Inlet, N. J., $60,000; Raccoon Creek, N. J., $5000; Appoquinimink, Murderkill and Mispillion Rivers, Del., $15,000; Inland waterway between Rehoboth Bay and Delaware Bay, Del., $41,000; Broadkill River, Del., $5000; Tuckerton Creek, N. J., $5000; Inland waterway, Chincoteague Bay, Va., to Delaware Bay, Del., $1000; Elk and Little Elk Rivers, Md., $5000; Harbors at Rockhall, Queenstown, Claiborne, and Cambridge, and Chester, Choptank, Warwick, Pocomoke, La Trappe, Wicomico, and Manokin Rivers, and Tyaskin Creek, Md., $35,800; Corsica River, Md., $4800; Potomac River at Washington, D. C., $20,000.

York, Mattaponi and Pamunkey Rivers, Va., $5000; Rappahannock River, Va., $8000; James River, Va., $50,000; Pagan River, Va., $2000; Appomattox River, Va., $5000; waterway from Norfolk, Va., to sounds of North Carolina, $5000; waterway from Norfolk, Va., to Beaufort Inlet, N. C., $400,000; Scuppernong River, N. C., $2900; Shallowbag Bay, N. C., $2000; Fishing Creek, N. C., $1000; Pamlico and Tar Rivers, N. C., $35,800; Bay River, N. C., $1900; Contentnia Creek, N. C., $1000; Smiths Creek, N. C., $1400; Neuse and Trent Rivers, N. C., $22,500; waterway from Pamlico Sound to Beaufort Inlet, N. C., $9000; Beaufort Harbor, N. C., $17,000; waterway connecting Core Sound and Beaufort Harbor, N. C., $2000; harbor at Morehead City, N. C., $3800; New River, N. C., including inland waterways between Beaufort Harbor and New River and between New River and Swansboro, $37,3000; Cape Fear River above Wilmington, N. C. (locks and dams), $173,000; Cape Fear River at and below Wilmington, N. C., $150,000; Shallotte River, N. C., $1100; Waccamaw River, N. C. and S. C., $40,000; Winyah Bay, S. C., $70,000; Santee, Wateree and Congaree Rivers, S. C., $15,000; Charleston Harbor, S. C. $5150; Savannah Harbor, Ga. (26-ft. project), $235,000; Savannah River below Augusta, Ga., $15,000; waterway from Savannah, Ga., to Beaufort, S. C., $5000; Sapelo Harbor, Ga., $2000; Altamaha, Oconee and Ocmulgee Rivers, Ga., $40,000; Fancy Bluff Creek, Ga., $2000; St. Mary's River, Ga. and Fla., $3000; channel between St. John's River and Cumberland Sound, Ga. and Fla., $2500; St. John's River, Fla., Jacksonville to the ocean, $350,000; Jacksonville to Palatka, $10,000, Palatka to Lake Harney, $10,000; Indian River, Fla., $10,000; Caloosahatchee River, Fla., $5000; Manatee River, Fla., $35,000; St. Petersburg Harbor, Fla., $1500; Hillsboro Bay, Fla., $120,000; channel from Clearwater Harbor to Tampa Bay, Fla., $3000; Anclote River, Fla., $5000; removing the water hyacinth in the State of Florida, $5000; Carrabelle Bar and Harbor, Fla., $20,000; Apalachicola Bay, Fla., $25,000; Apalachicola River, Fla., $30,000; Flint River, Ga., $40,000; Chattahoochee River, Ga. and Ala., $75,000; St. Andrews Bay, Fla., $25,000; Choctawhatchee River, Fla. and Ala., $25,000; Holmes River, Fla., $5000; Narrows in Santa Rosa Sound, Fla., $5000; Blackwater River, Fla., $5000; Harbor at Pensacola, Fla., $25,000; Alabama River, Ala., $75,000; Goosa River, Ga. and Ala.: Lock in Dam 4 and Dam 5, $56,000, Rome, Ga., to Lock 4, Ala., $50,000; Mobile Harbor, Ala., $107,000; Bomile Bar, Ala., $10,000; Tombigbee River, Ala.: mouth to Demopolis, Ala., $42,500, Demopolis, Ala., to Walkers Bridge, Miss., $6300; Pascagoula River, Miss.,

$10,300; Gulfport Harbor and Ship Island Pass, Miss., $62,500; Wolf and Jordan Rivers, Miss., $6250; Pearl River below Rockport, Miss., $11,000; Southwest Pass, Mississippi River, $400,000; South Pass Channel, Mississippi River, $50,000; Bayou Plaquemine, La., $20,000; Bayou Teche, La., $10,000; waterway, Franklin to Mermentau, La., $5000; waterway, Mermentau River to Sabine River, La. and Tex., $5000; Calcasieu River, La., $3000; Bogue Falia, Bayou Manchac, and Amite, Chefuncte and Tickfaw Rivers, La., $5000; Bayou Vermilion and Mermentau River, La., including Bayou Plaquemine Brule, $8000; removal of water hyacinth in Mississippi, Louisiana and Texas, $20,000; Bayou Terrebonne, La., $15,000; Atchafalaya River, La., $20,000; Bayou Grossetete, La., $3000.

Galveston Channel, Tex., $100,000; channel from Galveston Harbor to Texas City, Tex., $50,000; channel to Port Bolivar, Tex., $40,000; Houston Ship Channel, Tex., $200,000; West Galveston Bay and mouths of adjacent streams, Tex., $20,000; inland waterway on coast of Texas: West Galveston Bay-Brazos River Section, $15,000, Brazos River-Matagorda Bay Section, $30,000, Aransas Pass-Pass Cavallo Section, $30,000, Guadalupe River Section, $15,000; Mouth of Brazos River, Tex., $30,000; Brazos River, Tex.: Velasco to Old Washington, $10,000, Old Washington to Waco, $200,000; Port Aransas, Tex., $180,000; channel from Aransas Pass to Corpus Christi, Tex., $15,000; Sabine Pass and Port Arthur Canal, Tex., $100,000; Trinity River, Tex.: Open-channel work, $25,000, completion of instrumental survey, $12,000; Cypress Bayou, Tex. and La., $5000; Red River above Fulton, Ark., $40,000; Ouachita River, Ark. and La.: Locks and dams, $111,000, open-channel work to Camden, $25,000; Bayous Bartholomew, Macon, D'Arbonne, and Corney, and Boeuf and Tensas Rivers, Ia., $4000; Yazoo River and tributaries, Miss., $15,000; Big Sunflower River, Miss., $104,000; Arkansas River, Ark., $193,350; White River, Ark., $14,000; Cache River, Ark., $3000; Black and Current Rivers, Ark. and Mo., $24,000; St. Francis and L'Anguille Rivers, and Blackfish Bayou, Ark., $8000.

Mississippi River: Between mouths of Ohio and Missouri Rivers, $300,000, mouth of Missouri River to Minneapolis, Minn., $1,000,000, St. Paul to Minneapolis, Minn., $65,000, Brainerd to Grand Rapids, Minn., $6000, Warroad Harbor and River, Minn., $2000; Zippel Bay, Lake of the Woods, Minn., $1000; Missouri River: Kansas City to mouth, $1,000,000, Kansas City to Sioux City, $50,000, Sioux City to Fort Benton, $50,000; Osage, Mo., $7500; Gasconade River, Mo., $15,000.

Cumberland River below Nashville, Tenn., $378,000; Tennessee River, Tenn., Ala., and Ky.: Above Chattanooga, $150,000, between Florence and Riverton, Ala., $100,000, below Riverton, $251,000; French Broad River, Tenn., $30,000; Monongahela River, Penn., $211,200; Pittsburgh Harbor, Penn., $7500; Ohio River: Open-channel work, $310,000, locks and dams, $3,330,000.

Ashland Harbor, Wis., $15,000; Ontonagon Harbor, Mich., $8000; Harbor of Refuge, Keweenaw Point, Mich., $50,000; Harbor of Refuge, Grand Marais, Mich., $10,000; Menominee Harbor and River, Mich. and Wis., $7500; Two Rivers Harbor, Wis., $12,000; Port Washington Harbor, Wis., $5000; Milwaukee Harbor, Wis., $15,000; Racine Harbor, Wis., $150,000; Kenosha Harbor, Wis., $25,000; Waukegan Harbor, Ill., $10,000; Fox River, Wis., $20,000; Chicago Harbor, Ill., $500,000; Chicago River, Ill., $20,000; Calumet Harbor, Ill., $18,000; Calumet River, Ill. and Ind., $22,000; Indiana Harbor, Ind., $150,000; Illinois River, Ill., $50,000; St. Joseph Harbor, Mich., $15,000; South Haven Harbor, Mich., $8300; Saugatuck Harbor, Mich., $3500; Arcadia Harbor, Mich., $3000; Holland Harbor, Mich., $3600; Grand Haven Harbor, Mich., $30,000; Grand River, Mich., $4200; Muskegon Harbor, Mich., $9500; Ludington Harbor, Mich., $9300; Frankfort Harbor, Mich., $3400; Charlevoix Harbor, Mich., $2700; Ship channel connecting waters of Great Lakes between Chicago, Duluth and Buffalo, $20,000; Black River, Mich., at Port Huron, $5000; Alpena Harbor, Mich., $5000; Harbor of Refuge, Harbor Beach, Mich., $200,000; St. Mary's River, Mich. (Fourth lock), $1,006,000; Toledo Harbor, Ohio, $35,000; Sandusky Harbor, Ohio, $5000; Huron Harbor, Ohio, $3000; Cleveland Harbor, Ohio, $92,000; Conneaut Harbor, Ohio, $195,000.

Erie Harbor, Penn., $30,000; Buffalo Harbor, N. Y., $187,375; Charlotte Harbor, N. Y., $12,000; Lake Erie entrance to Black Rock Harbor and Erie Basin, N. Y., $10,000; Oswego Harbor, N. Y., $100,000.

Los Angeles Harbor, Calif., $75,000; San Francisco Harbor, Calif., $12,000; Oakland Harbor, Calif., $80,000; San Pablo Bay, Calif., $15,000; Humboldt Harbor and Bay, Calif., $300,000; Petaluma Creek and Napa River, Calif., $15,000; Sacramento and Feather Rivers, Calif., $60,000; Coquille River, Ore., $76,000; Coos Bay, Ore., $70,000; Coos River, Ore., $3000; Siuslaw River, Ore., $117,500; Yaquina River, Ore., $3000; Nehalem Bay, Ore., $116,175; Snake River, Ore., Wash. and Idaho, $20,000; Upper Columbia River, above Celilo Falls to mouth of Snake River, Ore. and Wash., $37,000; mouth of Columbia River, Ore. and Wash., $1,500,000; Columbia and Lower Willamette Rivers, below Portland, Ore., $450,000; Willamette and Yamhill Rivers, above Portland, Ore., $25,000; Cowlitz and Lewis Rivers, Wash., $15,000; Clatskanie River, Ore., $1000; Grays Harbor and Bar, Wash., $460,000; waterway connecting Port Townsend Bay and Oak Bay, Wash., $15,000; waterway connecting Puget Sound and Lakes Union and Washington, $17,500.

Kahului Harbor, Hawaii, $10,000; Honolulu Harbor, Hawaii, $25,000; San Juan Harbor, P. R., $8000.

Mississippi River Commission, $4,000,000; examinations, surveys, etc., $500,000.

Amount reserved for contingencies, $3,241,528.

Channel Improvement—Herkimer, N. Y.—An appropriation of $11,000 has been made for the improvement of the West Canada Creek channel.

✚Storehouses and Boat Shed—New York, N. Y.—The contract has been awarded to RUGGLES-ROBINSON CO., New York, N. Y., at $41,133, by the U. S. Engineer for constructing storehouses and a boat shed on Mill Rock at Hell Gate in the East River. Noted Apr. 1.

★Dredging—Philadelphia, Penn.—Bids will be received until noon, June 21, by the U. S. Engineer Office, 815 Witherspoon Bldg., Philadelphia, for dredging in Delaware River, opposite Port Richmond coal piers.

Building—Washington, D. C.—Plans have been prepared by Snowden Ashford, Municipal Arch., Washington, D. C., for the construction of a new fire department building on New Jersey Ave.

Building—Washington, D. C.—Bids will be received until 3 p.m., July 13, by James A. Wetmore, Act. Superv. Arch., Treasury Dept., Washington, D. C., for constructing a building for the Interior Department offices.

Cement—Washington, D. C.—Bids were received May 10 by the Commissioners of the District of Columbia for furnishing portland cement during the fiscal year as follows: Alpha Portland Cement Co., Easton, Penn., $1.49 per bbl.; Atlas Portland Cement Co., New York, N. Y., $1.09; Giant Portland Cement Co., Philadelphia, Penn., $1.12; Vulcanite Portland Cement Co., Philadelphia, Penn., $1.12; Lehigh Portland Cement Co., Allentown, Penn., $1.09; Security Cement & Lime Co., Hagerstown, Md., $1.01; Rosslyn Supply Co., Rosslyn, Va., $1.04; Coplay Cement Mfg. Co., Land Title Bldg., Philadelphia, $1.03 and National Mortar Co., Washington, D. C., $1.

Heating System—Washington, D. C.—Bids were received May 8 for furnishing and installing a steam and hot water distributing system, and heater at the U. S. Naval Hospital, Washington, as follows: (1) work complete, (2) under bidder's modified specification. L. B. Jacobs, Newark, Del., (1) $14,000; Enterprise Steam & Hot Water Heating Co., 407 North Howard St., Baltimore, Md., (1) $11989; Walter E. Hill & Co., 203 North Liberty St., Baltimore, Md., (1) $12,509; W. G. Cornell Co., Washington, D. C., (1) $12,248; Noland Clifford Co., Newport News, Va., (1) $11,977; John W. Danforth Co., 72 Ellicott St., Buffalo, N. Y., (1) $11,997, and Detroit Heating Co., Washington, D. C., (2) $9596.

Paving Blocks and Paving Brick—Washington, D. C.—Bids were received May 10 by the Commissioners of the District of Columbia for (a) repressed paving blocks and (b) vitrified sewer brick as follows: Morgantown Brick Co., Morgantown, W. Va., (b) $17.55 per M; Baltimore Clay Products Co., Baltimore, Md., (a) $24.50 per M, (b) $17.90 per M; Queen City Brick & Tile Co., Cumberland, Md., (a) $22.20 per M; Clearfield Clay Working Co., Clearfield, Penn., (a) $26.25 per M and Mack Mfg. Co., Philadelphia, Penn., (a) $2.50 per M.

Radio Sets—Washington, D. C.—Bids were received May 7 by the Chief Signal Officer, U. S. Army, War Dept., Washington, D. C., for furnishing seven radio sets as follows: Marconi Wireless Telegraph Co of America, New York, N. Y., standard set $17,479, on modified specifications, $18,879; Kilbourne & Clarke Mfg. Co., Seattle, Wash., $15,820; Wireless Specialty Apparatus Co., New York, N. Y., $15,256; Richard Pfund, New York, N. Y., $13,825; and the National Electrical Supply Co., Washington, D. C., at $1846 per set.

✚Residence—Washington, D. C.—The contract for constructing a superintendenrt's residence at the Tuberculosis Hospital at Washington, D. C., has been awarded to E. W. MOONEY, Washington, D. C., at $5499. Noted Apr. 8 and 22.

★Rewiring—Washington, D. C.—Bids were received May 11 by the Secretary of the Interior for rewiring the third floor and galleries of the Patent Office, as follows: Charles E. Brown, New York, N. Y., $7474; Carroll Electric Co., $7265; J. E. Taylor & Co., $6317; Standard Engineering Co., $6450; W. G. Cornell Co., $6590; E. S. Downs & Co., Philadelphia, Penn., $7473; Hixon Electric Co., Boston, Mass., $8921; Howard P. Foley Co., $6925; E. C. Graham, $7270; Capital Electric Co., $7379; W. B. Watson, $6987. Above bidders of Washington unless otherwise specified. Noted Apr. 29.

★Sewers—Washington, D. C.—Bids were received May 12 by the Commissioners of the District of Columbia for constructing sewers in Arizona Ave. from New Mexico Ave. to Newark St., as follows: (a) ordinary excavation, (b) concrete masonry, (c) vitrified brick masonry, (d) sewer brick masonry, Warren F. Brenizer & Co., 141 Q St., (a) $0.38, (b) $6.30, (c) $21, (d) $14; R. J. Beall Construction Co., (a) $0.64, (b) $7.89, (c) $22.84, (d) $16; George Hyman, (a) $0.65, (b) $8.50, (c) $19, (d) $15; William F. Cush, (a) $0.55, (b) $7.15, (c) $20, (d) $14.50. Noted May 6.

Building—Washington, D. C.—Supplementary bids were received May 10 by the Commissioners of the District of Columbia on revised bids covering the construction of the Parkview School. Competition was limited to the two lowest bidders on the former opening: Melton Construction Co., Washington, D. C., $121,000; Wells Bros. Co., New York, N. Y., $120,000. Noted Apr. 8 and 22.

School Building—Washington, D. C.—Plans and specifications are being prepared by Snowden Ashford, Municipal Arch. of the District of Columbia, for the construction of the superstructure of High School 174, at First St., N. W., between N and O St. The entire building, including excavation, substructure and foundations, for which contract has already been let, will cost $550,000.

Building—Pensacola, Fla.—The following bids were received by the Chief, Bureau of Yards and Docks, Navy Dept., Washington, D. C., May 1, for toilet building and alterations in buildings Nos. 16, 18 and 34 at the Navy aeronautic station, Pensacola, Fla.: (1) work complete; (2) for omitting 12 clothes closets; (3) deduct if sheathing of present partition between dining room and kitchen and lounging room is not removed in building 34; (4) deduct for not lowering ceiling fixtures in building 16: Henry Monk, 314 West Belmont St., Pensacola, Fla., (1) $8880 and $325 for light fixtures in building No. 34, (2) $328, (3) $65, (4) $20; C. H. Turner Co., Pensacola, Fla., (1) $9589, (2) $366, (3) $92, (4) $12; F. M. Blount Construction Co., Pensacola, Fla., (1) $9434, (2) $535, (3) $75, (4) $12, and S. F. Fulghum Co., Pensacola, Fla., (1) $9987, (2) $9737, (3) $9927, (4) $9975. Noted Apr. 22.

✚★Stone—New Orleans, La.—The contract has been awarded to LESTER F. ALEXANDER, New Orleans, at $3189, by Maj. E. H. Schulz, U. S. Engineer Office, New Orleans, for furnishing and delivering 10,000 cu.yd. of stone at South and Southwest Passes, Mississippi River. Noted Mar. 18.

★Metal Work—Ashtabula, Ohio—Bids were received May 12 for metal work for superstructures of Ashtabula West breakwater light station as follows: McKinnon Iron Works Co., Ashtabula, at $3061 (recommended for acceptance); Champion Iron Co., Kenton, $3188; Lawrence D. Weaning, Cleveland, $3670, and August Feine & Sons Co., Buffalo, $4290. Noted Apr. 29.

Post Office—New Albany, Ind.—Bids were received May 8 by the Acting Supervising Architect, Treasury Dept., for the remodeling of the post office at New Albany, Ind., as follows:

J. Fred Beggs, Scottsburg, $66,430; William H. Fissell & Co., New York, N. Y., $77,768; John G. Unkefer & Co., Minerva, Ohio, $68,896; Hiram Lloyd Building & Construction Co., St. Louis, Mo., $67,927; Earle Embrey, New Albany, $98,993; Ingwald Moe, Gary, $68,800; James Devault, Canton, Ohio, $69,404; R. P. Farnsworth & Co., Owensboro, Ky., $67,675; Frank Weakley & Co., Canton, Ohio, $77,577. Noted Apr. 8.

Dredging—Kewanee Bay, Mich.—The following bids were received May 4 by Maj. E. D. Peek, Corps of Engineers, Duluth, Minn., for dredging: (a) Ontonagon, Mich., 30,000 cu.yd.; (b) upper entrance, Keweenaw Waterway, Mich, 20,000 cu.yd.; (c) harbor of refuge, lower entrance, Keweenaw Waterway, Mich., 498,000 cu.yd.: Northern Dredge & Dock Co., (a) 9c.; (b) 12c., (c) 20c., total $104,700; Great Lakes Dredge & Dock Co., (a) 20c., (b) 15c., (c) 8¾c., total $52,573; Zenith Dredge Co., (a) 14¼c., (b) 14¼c., (c) 9c., total $51,945 (recommended for acceptance). All bidders of Duluth, Minn. Noted Apr. 29.

Boilers—Milwaukee, Wis.—Bids will be received until 2 p.m., June 1, by the Light House Inspector, Milwaukee, for furnishing two marine boilers.

Water System—Crow Agency, Mont.—Bids will be received until 11 a.m., May 29, J. B. Houston, Depot Quartermaster, Washington, D. C., for installing a water system at the Custer Battlefield National Cemetery, Crow Agency. Noted Apr. 8 and May 13.

Post Office—Bryan, Tex.—Bids were received May 12, by the Acting Supervising Architect, Treasury Dept., Washington, D. C., for the construction of a post office at Bryan, (a) stucco face with limestone trimmings, (b) brick face with limestone trimmings, as follows: H. D. Brown, San Antonio, (a) $35,926, (b) $37,808; George A. Shaul, Seneca, Kan., (a) $36,920, (b) $39,420; Algernon Blair, Montgomery, Ala., (a) $35,352, (b) $37,137; Kreipke-Schafer Construction Co., El Reno, Okla., (a) $37,000, (b) $39,600; Volney E. Taylor, Huntington, W. Va., (a) $40,800, (b) $41,700; P. B. Hubbard, Bryan, (a) $37,005, (b) $39,005; C. V. Beatty, East Liverpool, Ohio, (a) $40,335, (b) $42,835. Noted Apr. 8.

Post Office—Corpus Christi, Tex.—Bids were received May 11 by the Acting Supervising Architect Treasury Dept., Washington, D. C., for the construction of a post office at Corpus Christi, (a) light-colored limestone Texas, (b) light-colored limestone, other than Texas, as follows: Colonial Construction & Supply Co., Charlotteville, Va., (a) $136,740, (b) $134,428; King Lumber Co., Charlottesville, Va., (a) $165,500, (b) $155,000; Dieter & Wenzel Construction Co., Wichita, Kan., (a) $135,230, (b) $135,230; Barnes Bros., Logansport, Ind., (a) $129,000, (b) $119,000; P. T. Shields, San Antonio, Tex., (a) $129,850, (b) $131,000; Weston & Kroeger, San Antonio, Tex., (a) $130,863; M. Yeager & Son, Danville, Ill., (a) $129,747, (b) $126,747; Thomas W. Cissel, Wooster, Ohio, (b) $131,000; William O'Neill & Son Co., Faribault, Minn., (b) $129,830; John G. Unkefer & Co., Minerva, Ohio, (b) $125,197; William H. Fissell & Co., New York, (a) $137,300; W. D. Lovell, Minneapolis, Minn., (b) $128,000; R. P. Farnsworth & Co., Fayetteville, N. C., (b) $128,000, and Hiram Lloyd Building & Construction Co., St. Louis, Mo., (b) $129,921. Noted Mar. 11 and Apr. 15.

Building—Ft. Bayard, N. M.—Bids will be received until 6 p.m., June 4, by the Quartermaster for constructing wards for ambulant patients.

Post Office—Park City, Utah—Bids were received May 13, by the Acting Supervising Architect, Treasury Dept., Washington, D. C., for the construction of a post office at Park City from: Campbell Building Co. of Utah, Salt Lake City, $22,460, and George A. Whitmeyer & Sons, Ogden, $25,072. Noted Apr. 8.

✚Fuel Ship—Mare Island, Calif.—The contract has been awarded to the MARE ISLAND NAVY YARD, at $999,723, for constructing the fuel ship "Cuyama."

Sewer and Water Systems—San Diego, Calif.—The time for receiving bids for the construction of sewer and water systems at the Naval Radio station, San Diego, has been extended to 11 a.m., May 29. William M. Smith is Acting Ch. of Bureau of Yards and Docks. Noted Apr. 15.

✚Road—San Francisco, Calif.—Contracts have been awarded by the Constructing Quartermaster to the SUNSET CONSTRUCTION CO., at $16,554, for constructing a macadam road from Lobos Creek to Battery Chamberlain, and to the D. L. BIENFIELD & CO., at $9372, for constructing a concrete road from the Marine Hospital to the stable site.

✚Vessel—San Francisco, Calif.—The contract has been awarded to the CRAIG SHIPBUILDING CO., Long Beach, at $234,500, for constructing the steel lighthouse tender "Cedar." Noted Mar. 25 and May 6.

Cement Roofing Tile—Panama—Bids will be received until 10:30 a.m., May 28, by Maj. F. C. Boggs, Gen. Pur. Officer, Panama Canal Comn., Washington, D. C., for furnishing cement roofing tile.

Miscellaneous Supplies—Panama—Bids will be received until 10:30 a.m., May 27, by Maj. F. C. Boggs, Gen. Pur. Officer, Panama Canal Comn., Washington, D. C., for furnishing miscellaneous supplies.

Refrigerating Plant—Panama—Bids will be received until 10:30 a.m., May 27, by the General Purchasing Agent, Panama Canal, Washington, D. C., for a refrigerating plant.

★Steel Work—Panama—Bids were received May 3 by the General Purchasing Officer, the Panama Canal, Washington, D. C., for the furnishing or furnishing and erecting of structural steel and accessory parts for shed on Pier No. 18, Balboa Terminal, Canal Zone, as follows: (a) 3,730,000 lb., fabricated and delivered on dock at Colon; (b) 3,730,000 lb., fabricated, delivered and erected on foundations supplied by the Panama Canal: Belmont Iron Works, Eddystone, Penn., (a) 2.45c., total $91,285; Chesapeake Iron Works, Baltimore, Md., (a) 2.24c., total $83,553; McClintic-Marshall Co., Pittsburgh, Penn., (a) 2.27c., total $84,671, (b) 2.87c., total $107,051; Milliken Bros., 17 Battery Pl., New York, N. Y., (a) 2.29c., (b) 2.79c.; Pennsylvania Steel Co., Steelton, Penn., (a) 2.28c., total $85,044; United States Steel Products Co., New York, N. Y., (a) 2.23c., total $83,179, (b) 2.83c., total $105,559; Riter-Conley Co., Leetsdale, Penn., (a) 2.18c., total $81,314, (b) 2.83c., total $105,559. Noted Apr. 1.

MISCELLANEOUS

✚Sea Wall—Boston, Mass.—The contract for building a concrete wall at Menamsha Inlet was awarded by the Board of Harbor and Land Commissioners to DENNIS F. CROWLEY, 658 Adams St., East Milton, at $6.40 per cu.yd.: Other bids were: Herbert N. Hinckley, Vineyard, Haven, $6.75; John R. Burke, 78 Devonshire St., Boston, $6.84; Cavanagh Co., 166 Devonshire St., Boston, $6.90; A. Williams & Co., 3 Cotting St., Boston, $6.90; Benjamin C. Cromwell, Vineyard Haven, $9; James H. Connolly, Hyannis, Mass., $10.45; George T. Rendle Co., 270 Condor St., East Boston, $10.50; Susi & Williams, 3 North Sq., Boston, $11.50. William F. Williams, State House, is Ch. Engr.

★Wharves—Woods Hole, Mass.—(Official)—Bids will be received until noon, June 12, by Col. John Millis, Newport, R. I., for rebuilding wharves and building a new sea wall and coal house at the U. S. Bureau of Fisheries Station.

★Dredging—Block Island, R. I.—(Official)—Bids will be received until noon, June 16, by Col. John Millis, Newport, for dredging in the harbor of refuge at Block Island.

★Generating Sets—Buffalo, N. Y.—(Official)—Bids will be received until 4 p.m., May 25, by the State Board of Army Commissioners, c/o the State Architect, Capital, Albany, for furnishing gasoline engine driven electric generating sets for Troop 1 Armory, Buffalo. Franklin W. Ward is Secy.

★Subway—New York, N. Y.—(Borough of Brooklyn)—Bids were received by the Public Service Commission for the First District, 154 Nassau St., New York, May 18 for the construction of Section No. 2 of Route No. 49, a part of the Culver Rapid Transit R.R. A three-track elevated railroad, beginning at a point in Gravesend Ave. about 525 ft. south of Bay Parkway and extending southerly over Gravesend Ave. and Shell Rd. to a point about 525 ft. south of Ave. X is required. The unofficial totals are as follows: Oscar Daniels Co., Woolworth Bldg., $863,775; Snare & Triest, $867,390; A. L. Guidone & Son, Inc., $877,097; Phoenix Bridge Co., $877,920; Post & McCord, $894,192; Ft. Pitt Bridge Works, $898,184; Connex Engineering & Construction Co., $908,000; Conners Bros., $908,604; T. A. Gillespie Co., $914,000; Arthur McMullen, $922,637; E. E. Smith Contracting Co., $929,000; Rodgers & Hagerty, Inc., $933,000; Norton Gorman Contracting Co., $936,000; Jobson Gifford Co., $982,587; H. P. Converse Co., $1,051,006; McClintic-Marshall Co. (no figures given). Noted Apr. 29.

Plaza—New York, N. Y.—(Borough of Brooklyn)—(Official)—The following are the bids received by Cabot Ward, Pres., Park Bd., Municipal Bldg., for the reconstruction of the Prospect Park Plaza at Ninth and 15th St.: James A. Heaney, $14,800; Ward & Tully, Inc., West 20th St., Brooklyn, $13,586; Frank J. Gallagher, $15,770; Edward Emberton, $15,519; F. G. Fearon Co. Inc., $16,824; Charles A. Myers Contracting Co., $17,815; Topeka Paving Co., Inc., $19,006. Noted May 6.

Improvement of Bay—New York, N. Y.—(Borough of Brooklyn)—The plan for improving Mill Basin, an important link in connection with the improvement of Jamaica Bay, has been decided on by the Sinking Fund Committee. The city is to develop the basins in the bay and provide the wharfage facilities, while the War Department will dredge the necessary channel to the outlet of the bay in the Atlantic Ocean. R. A. C. Smith is Comr. of Docks and Ferries.

Locomotive Cranes—New York, N. Y.—(Borough of Manhattan)—(Official)—The following are the bids received by the Department of Street Cleaning for furnishing and delivering four locomotive cranes: Ohio Locomotive Co., $15,200; Brown Hoist Co., $14,316; McMyler Interstate Co., $15,200; Davenport Locomotive Works, 50 Church St., New York, $12,000; Industrial Works, $13,644; Browning Co., $15,200. Noted Apr. 29.

Trailers—New York, N. Y.—(Borough of Manhattan)—(Official)—The following are the bids received by J. T. Fetherston, Comr., Dept. of Street Cleaning, Municipal Bldg., for furnishing and delivering 11 trailers. G. B. Marks, $12,782; Goodroad Machine Co., $13,530; Charles Havas & Co., Inc., 509 East 18th St., New York, $8910; General Vehicle Co., $15,653. Noted May 6.

Trailers—New York, N. Y.—(Borough of Manhattan)—(Official)—Bids will be received until 2 p.m., May 24, by Marcus M. Marks, Borough Pres., Municipal Bldg., for furnishing and delivering eight trailers.

Concrete Dam—Wallkill, N. Y.—According to press reports, bids will be received by the Town Clerk until 2 p.m., May 29, for constructing a concrete dam across the Wallkill River.

Fire Station—Bayonne, N. J.—The City Commissioners are considering the construction of a new firehouse at 25th St. and Prospect Ave.

Wharf and Ferry House—Elizabeth, N. J.—The Staten Island Ferry Co. has notified the Union County Board of Chosen Freeholders that it will construct a wharf and ferryhouse on the Elizabeth side of the sound to cost about $25,000.

★Rip-Rap—Sandy Hook, N. J.—(Ft. Hancock post office)—(Official)—Bids wil be received until noon, May 29, by Col. Frederic V. Abbot, Army Bldg., Whitehall St., New York, N. Y., for rip-rap stone for repair and enlargement of sea wall at south end of U. S. lands at Sandy Hook.

Stable and Storehouse—Jersey City, N. J.—Plans have been completed for a stable and storehouse for the city, the building will be three stories, 50x75 ft., of brick. The estimated cost is $50,000.

Stadium—Jersey City, N. J.—The city plans to construct a stadium in Reservoir Park, to seat 30,000. A. H. Moore, Comr., is in charge.

Fire Station—Jersey City, N. J.—The City Commissioners, May 13, decided to construct a firehouse in the Hudson City section.

Grand Stand—Newark, N. J.—The County Park Commissioners and Board of Chosen Freeholders have decided to erect a reinforced-concrete grand stand at the Weequahic Park race track. William Field, Engr., Newark, has prepared plans for the structure, which is estimated to cost $68,000.

Park Improvements—Newark, N. J.—The Essex County Park Commission has asked the Board of Chosen Freeholders for an appropriation of $250,000 for park improvements. The Finance Committee of the Board has voted to recommend the issuing of park bonds for that amount.

Terminal Improvement—Perth Amboy, N. J.—The Lehigh Valley R.R. will enlarge its coal storage terminal to provide trackage and facilities for 300 additional cars. The cost is estimated at $25,000.

Motor Fire Apparatus—Weehawken, N. J.—Bids were received by the Township Commissioner, May 10, for one motor-driven 65-ft. hook and ladder truck as follows: American La France Co., New York (four bids), $11,000; $9200; $9400; $10,200; A. Woodhouse Mfg. Co., $11,000; Front Drive Motor Co., $7900; Seagrave Co., Boston, $9684.

Motor Fire Apparatus—West New York, N. J.—The Town-Council plans to purchase two motor-driven hook-and-ladder trucks.

Trap Rock—Woodbridge, N. J.—Bids will be received by the Township Committee until 8:30 p.m., May 24, for furnishing 30 carloads of crushed trap rock, in sizes of ¾-, 1-, 1½- and 2½-in. Andrew Keyes is Township Clk.

★**Sewage Disposal Plant**—Beaver Falls, Penn.—(Official)—Bids will be received until 7:30 p.m., June 8, by the City Council for constructing a sewage disposal plant at Beaver Falls. Leo Hudson, 1210 House Bldg., Pittsburgh, is Engr.

★**Substructure**—Erie Harbor, Penn.—(Official)—Bids will be received until 11 a.m., June 19, by Capt. L. V. Frazier, Federal Bldg., Buffalo, N. Y., for constructing a concrete substructure on north pier, Erie Harbor.

✚**Canal Work**—Phoenixville, Penn.—The Schuylkill Navigation Co. has awarded a contract for the widening of the intake of the canal at Black Rock, near Phoenixville, to L. H. FOCHT & SON. The intake at present is about 45 ft. wide and it is planned to make it 100 ft. wide. The cost will be about $25,000.

★**Concrete Wall**—Wilkes-Barre, Penn.—(Official)—The following are the bids received for building a concrete retaining wall along Solomon's Creek between Franklin and Vulcan St.: C. J. Carroll, $12,625; Davis & Parry, $12,710; D. M. Rosser, $13,492; Arthur Casey, $13,632; Melan & Ryan, $13,685; A. L. Anderson & Bro., $14,373; Denburger Construction Co., $14,540; C. R. Camp, $15,074; M. J. Malloy, $15,154; George H. Buckland, $15,769; Joseph Banks Construction Co., $15,873; Whittaker & Deihl, $16,212; B. G. Coons Contracting Co., $16,410; H. R. Coronway, $17,555; John E. James, $17,709; C. Watkins & Son, $18,227; Sessler-Weaver Co., $20,942; C. M. Neeld Construction Co., $26,200. B. K. Finch is City Engr. Noted Apr. 15.

★**Machinery**—Washington, D. C.—(Official)—Bids will be received until 2 p.m., June 8, by B. Sweeney, Department of the Interior, for furnishing stokers, coal and ash handling machinery and other appliances for a power house.

Earth Fill—Christiansburg, Va.—See item under "Bridges."

Drainage—Wilmington, N. C.—Bids will be received until noon, May 24, by M. F. H. Gouverneu, Secy., New Hannibal County Drainage Dist., No. 1, for nine miles of ditches. The work involves 53,000 cu.yd. of excavation and the construction of ten small wooden bridges. J. L. Becton is Engr. Noted Feb. 11.

✚**Ditches**—Dyersburg, Tenn.—(Official)—The contract has been awarded by the Board of Directors of the Reed's Creek Drainage District, Dyer County, to R. H. & G. A. McWILLIAMS, Memphis, Tenn., for 660,000 cu.yd. of ditch excavation. The contractor also purchased the bonds. The Morgan Engineering Co., Memphis, Tenn., is Engr. Noted Apr. 22.

Dredging—Akron, Ohio—The Commissioners of Summit and Wayne Counties are considering the dredging of Chippewa ditch.

Drainage—Canton, Ohio—Bids will be received until noon, May 24, by Z. W. Kent, Dir. of Pub. Ser., for the construction of drainage ditches and tile drains.

Ditches—Canton, Ohio—The County Commissioners contemplate constructing Sugar Creek ditch, a distance of 12 miles, and Domer ditch, a distance of two miles.

Playground—Cincinnati, Ohio—Plans are being prepared by A. Lincoln Fechheimer, Lyric Theater Bldg., for a playground on Third St. near Martin St. The plans include swimming pools and the estimated cost is $45,000.

Recreation Center—Columbus, Ohio—The following are the bids received for constructing the recreation center in Glenwood Park: Ernest Kroener, $21,484; F. H. Nichol, $24,681; Hugh H. Carr, $24,498; Knox & Phillips, $24,157; John H. Hina, $25,161; E. E. Beckett, $25,779; Bebb & Thomas, $28,200. Noted Mar. 11.

★**Bridge Repair**—Toledo, Ohio—(Official)—Bids will be received until noon, June 1, by A. W. Boardman, Dir. of Pub. Serv., for repairing the Fassett St. Bridge.

Dredging—Chicago, Ill.—Bids will be received until 11 a.m., May 26, by W. R. Moorhouse, Comr. of Pub. Works for dredging the river at the South Halsted Bridge over the south branch of the Chicago River.

Drainage—Bennett, Wis.—A drainage project is planned for this district, which will include about 30,000 acres of land. David Dobbie, Superior, is interested.

✚**Motor Fire Apparatus**—Milwaukee, Wis.—The contract for furnishing three combination chemical and hose wagons has been awarded by the Board of Public Works to the SEAGRAVE CO., Columbus, Ohio, at $15,000.

★✚**Concrete Dam and Bulkhead**—Waverly, Iowa—The contract for the construction of a concrete dam and bulkhead across the Cedar River has been awarded to PRICE BROS., East Jordan, Mich., at $5.40 per cu.yd. C. A. Cool is Engr. Noted Apr. 22.

Ditch—Litchfield, Minn.—Bids will be received until May 17 by A. O. Palmquist, County Audr., for constructing Ditch No. 36. The estimated cost is $19,000.

Speedway—Wichita, Kan.—The construction of a motor speedway, to cost $250,000 is contemplated. J. J. Jones, Wichita, is interested.

Park Improvements—Omaha, Neb.—The city will issue $50,000 in bonds for park improvements. Watson Townsend is City Engr.

✚**Levee**—Helena, Ark.—According to press reports, the Board of Directors of the Cotton Belt Levee District awarded a contract to J. A. BURT, of Bond & McMurray, Beulah, Miss., for 1,388,000 yd. of levee improvement, at 16.98c. per yd. Noted Apr. 29.

Drainage—Eagle Lake, Tex.—Bids will be received by the Commissioners' Court of the Colorado County Drainage District No. 1 until 10 a.m., June 1, for the excavation of about 16 miles of drainage ditches. The Norris Engineering Co., Wharton, Tex., is Engr.

★**Building**—Ft. Sam Houston, Tex.—(Official)—Bids will be received until 11 a.m., June 4, by Constructing Quartermaster for constructing the commanding officers' quarters, barracks and stable.

★**Buildings**—Ft. Sill, Okla.—(Official)—Bids will be received until 11 a.m., June 15, by the Constructing Quartermaster, for constructing quartermaster corps barracks, double set engineer's quarters magazine, additions to four barracks buildings, five stables, repairing nine double officers' quarters and other buildings.

Fire Apparatus—Boise, Idaho—(Official)—Bids will be received by Nancy E. Robertson, City Clk., until noon, June 3, for one motorized combination chemical and hose wagon.

★**Reclamation Work**—Provo, Utah—(Official)—Bids will be received until 2 p.m., June 16, by A. P. Davis, Ch. Engr., U. S. Reclamation Service, Provo, for reclamation work.

Ditches—Bellingham, Wash.—Bids will be received until 10 a.m., May 25, by W. D. Wallace, County Audr., for the construction of a main ditch and three laterals for Drainage Improvement District No. 7.

Elevators—Seattle, Wash.—Bids will be received until June 1, by Byron Phelps, Clk., Board of County Commissioners for furnishing, delivering and installing electric passenger elevators of the "drum" and "traction" types, in the new King County Courthouse. Plans on file in office of A. Warren Gould, Arch., American Bank Bldg., Seattle.

Fill—Tacoma, Wash.—A proposition has been submitted to the County Commissioners by Commercial Waterway District No. 1, Hylebas Creek Diking District, for filling Lincoln Ave. and traversing tideflats, a distance of 1½ miles. H. H. Henderson, Anderson is Ch. Engr. of the District.

Addition to Dock—Portland, Ore.—Emil Schacht & Son, Portland, is preparing plans for an addition to the Albers Dock. The addition will be of fireproof construction and will cost about $20,000.

Repairs to Dry Dock—Portland, Ore.—Bids submitted to the Port of Portland for repairs and changes to the pontoons on the public dry dock at St. Johns, were rejected and new bids will be received. Bids cover two propositions, (a) for tearing down old wings and reconstructing same, (b) for new wings.

Levee—El Centro, Calif.—The Board of Directors of the Imperial Irrigation District has authorized C. R. Rockwood, Ch. Engr., to construct an extension of 7½ miles of the Volcano Lake levee.

Pier—La Jolla, Calif.—A donation of $100,000 has been received by the Scripps Institution for Biological Research. The extension of a 1000-ft. concrete pier, and the erection of a fireproof library, museum, aquarium, and several dwellings are planned.

Ferry Boat—Richmond, Calif.—A ferry boat to cost about $125,000 will be built for the Richmond-San Rafael Ferry Co. M. Moch is Supt.

✚**Addition to Bulkhead**—Stockton, Calif.—The contract for constructing a new addition to the bulkhead on the north side of Stockton Channel has been awarded to JACOB & SAYLES, Stockton, at $36.23 per lin.ft.

Dam—Montreal, Que.—Bids will be received until June 15 by the Quebec Streams Commission, McGill Bldg., Montreal, for a storage dam at La Loutre on the St. Maurice River. O. Lefebvre is Ch. Engr.

★**Supplies**—Toronto, Ont.—(Official)—Bids will be received until noon, May 25, by T. L. Church, Chn. Bd. of Control, for cedar ties for the Lansdowne Ave. extension of the Toronto Civic Ry. and for a 5,000,000-gal. pump.

Dredging—New Westminster, B. C.—Bids will be received until 4 p.m., May 27, by R. C. Desrochers, Secy. Dept. of Pub. Wks:, Ottawa, Ont., for dredging at Shoal Passage, Howe Sound, Comox-Atlin District, B. C. Specifications can be obtained from C. B. Worsfold, District Engr., New Westminster.

BUILDINGS

Chisholm, Maine—I. M. Leguemec, St. Rose of Lima School, is receiving bids for the construction of a two-story, 65x130-ft. school, to cost about $40,000. T. G. O'Connell, 18 Boylston St., Boston, Mass., is Arch.

✚**Deering, Maine**—J. W. Honlipan has awarded the contract to F. W. CUNNINGHAM CO., 430 Congress St., Portland, Maine, for the construction of a two-story, 56x98-ft. school to cost $40,000. T. G. O'Connell, 18 Boylston St., Boston, Mass., is Arch.

✚**Manchester, N. H.**—A. BRUNNELLE, 316 Kelley St., has been awarded the contract for the construction of a two-story, 55x127-ft. school and church to cost $60,000. J. N. Guertin 316 Kelley St., is Arch. Noted Jan. 7.

✚**Manchester, N. H.**—The Eagle Amusement Co. has awarded the contract to F. X. FLAMMIL, 189 Belmont St. for the construction of a four-story, 90x100-ft. theater to cost $60,000. Wilfred E. Provost, 581 Union St., is Arch.

Boston, Mass.—Bids have been received for the construction of a one-story, 54x125-ft. church for the St. Ambrose Congregation. Rev. John H. Harrigan is pastor. The estimated cost is $40,000. W. H. McGinty, 101 Tremont St., is Arch.

Boston, Mass.—The Massachusetts General Hospital will build a four-story, 100x120-ft. administration building. Shepley, Rutan & Coolidge, Arch., 122 Ames Bldg., has received revised bids.

Boston, Mass.—Preliminary plans are being prepared for an addition to the Boston State Hospital, to cost $407,000. The State Board of Insanity, 36 State House, is in charge of the construction. Kendall, Taylor & Co., 93 Federal St., is Arch.

✚**Boston, Mass.**—The GEORGE A. FULLER CO., 131 State St., has been awarded the contract for the construction of a three-story addition to the Wentworth Institute, Huntington Ave., to cost $200,000. Peabody & Stearns, 53 State St., is Arch.

✚**Boston, Mass.**—Mayor Curley has awarded the contract to JULIUS A. SCHWEINFURTH, 35 Congress St., for the construction of an addition to the High School of Practical Arts. The estimated cost is $50,000.

✚**Boston, Mass.**—James M. Curley, Mayor, has awarded the contract for the construction of an addition to the Hyde Park School to CHARLES R. GRACE, at an estimated cost of $50,000.

✚**Boston, Mass.**—W. Stanley Tripp, 95 Milk St., has awarded the contract to L. L. SELLEW, 136 Brighton Ave., for the construction of a four-story, 88x96-ft. apartment block, at Brighton and Park Vale Ave., to cost $80,000. John C. Stafford, 15 Beacon St., is Arch.

Boston, Mass.—Charles G. Dawes will build a hotel for the unemployed to cost $100,000. Brown & Walcott, 19 South La Salle St., Chicago, Ill., is Arch.

Boston, Mass.—W. J. MacDonald, 95 Milk St., plans the construction of a two-story coliseum to cost about $100,000. George N. Meserve, 95 Milk St., and C. H. Blackall, 20 Beacon St., are Arch.

Chicopee, Mass.—The Fisk Rubber Co. will build an office building on Oak and Grove St.

Danvers, Mass.—Competitive designs for a high school will be received by the School Committee until June 1. Daniel N. Crowley, 81 Washington St., is Chn. of Com.

✚**Lawrence, Mass.**—The contract for the construction of a two-story, 65x90-ft. parochial school has been awarded to PATRICK GUERIN, 127 Butler St. T. Edward Sheehan, Tremont Bldg., Boston, Mass., is Arch.

Lynn, Mass.—The Vallodolid Lodge, Knights of Columbus, James J. Donohue, Treas., 81 Jefferson St., will build a $100,000 lodge and store building. Joseph D. McGinniss, 16 Arlington St., Boston, Mass., is Arch.

✚**Maynard, Mass.**—JOSEPH M. DOLAN CO., 197 Sidney St., Cambridge, Mass., has been awarded the contract for the construction of a two-story, 56x125-ft. school, to cost $60,000. Charles R. Greco, 8 Beacon St., is Arch. Noted Mar. 11 and Apr. 8.

✚**New Bedford, Mass.**—The Dartmouth Historical Society has awarded the contract to the WILLIAM CRANE CONSTRUCTION CO., Vassar St., Cambridge, Mass., for the construction of a two-story, 45x90-ft. museum, estimated to cost $100,000. Henry Vaughn, Pemberton Bldg., Boston, Mass., is Arch.

Revere, Mass.—Meyer Dana, 209 Washington St., Boston, Mass., contemplates the construction of a one-story picture theater, to cost $45,000.

Salem, Mass.—The city of Salem plans the construction of a two-story, 75x110-ft. school, to cost $90,000. James E. McLaughlin, 111 Devonshire St., Boston, Mass., is Arch.

Springfield, Mass.—The Hampden County Commissioners announce that the county will build a $100,000 training school for boys. G. P. B. Alderman & Co., Holyoke, Mass., is Arch.

✚**Swampscott, Mass.**—James Santry, 31 Exchange St., Lynn, Mass., Chn. Bldg. Com. has awarded the contract for the remodelling of the high school to the C. S. CUNNINGHAM & SONS CONSTRUCTION CO., 7 Water St., Boston, Mass. Charles V. Burgess, 25 Exchange St., Lynn, Mass., is Arch. The estimated cost is $47,000. Noted Apr. 1.

West Springfield, Mass.—J. R. Fansey, Supt. of Schools, Town Hall, announces that a three-story, 69x164-ft. addition will be built to the high school, to cost about $100,000. Fowle & Harding, 93 Elm St., Westfield, Mass., is Arch.

Worcester, Mass.—Bids for the construction of an addition to the North High School were received as follows: Israel Goldman, $186,550; J. W. Bishop, $207,812; Central Building Co., $203,600; Connors Bros. Co., New York, $193,550; George Baker Long, $199,950; F. W. Mark, $209,198; James Miles & Son Co., $205,104; Walter L. Mellen, $214,164; Edwin Outwater, New York, $197,388; John J. Power, $209,820; A. E. Stephens, $208,250; United Fireproofing Co., $208,507. Noted Oct. 29, Jan. 21, Apr. 15, 22 and 29.

Pawtucket, R. I.—The Marsdon Construction Co. will remodel the old railway station into a motion picture theater. It will cost $60,000.

Providence, R. I.—Jackson, Robertson & Adams, 1216 Turks Bldg., has prepared plans for the proposed Central Baptist Church. E. H. Rhode is Chn. of Bldg. Com.

New Canaan, Conn.—Irving Lochwood and Gilbert Stevens, Railroad Ave., will build an eight-story, 55x100-ft. building. W. H. McLean, 110 Tremont St., is Arch.

✚**Beacon, N. Y.**—(Official)—The contract for the construction of a high school on Fishkill Ave. has been awarded to J. M. VOSS, Yonkers, at $42,696. Other bids were: John H. Muller, Poughkeepsie, $44,169; James Fomstel Co., Beacon, $44,463. Homer H. Stuart is Pres. Bd. of Education. Noted Jan. 14, Feb. 18, Mar. 18, Apr. 8 and 29.

Buffalo, N. Y.—Stuart A. Haywood, Pres. of Central Labor Council of Buffalo, is interested in a project to construct a Labor Temple. The estimated cost is $200,000.

Little Falls, N. Y.—Plans are being prepared by William Neil Smith, Arch., 101 Park Ave., New York, for the construction of a four-story city hall for Little Falls. The estimated cost is $100,000.

New York, N. Y.—(Borough of Bronx)—Plans have been prepared by Andrew J. Thomas, Arch., 2526 Webster Ave., for the construction of a store and office building at Webster Ave. near Fordham Rd. for the Wedyegood Co., 401 East 163d St. Estimated cost, $60,000.

New York, N. Y.—(Borough of Brooklyn)—Plans are being prepared by Axel Hedman, Arch., 367 Fulton St., for the construction of a five-story hospital at New York Ave. and Union St. for the Unity Hospital. Estimated cost, $45,000. M. A. Cohn is Pres. of hospital.

New York, N. Y.—(Borough of Manhattan)—Plans have been prepared for the construction of a 12-story, fireproof apartment house on Riverside Drive and 144th St. for the Paterno & Son Contracting Co. The estimated cost is $500,000.

New York, N. Y.—(Borough of Manhattan)—The Society for the Relief of the Destitute Blind, Amsterdam Ave. and and 104th St., has purchased a site at Kingsbridge Rd., Grand Blvd. and Concourse, Criston Ave. and 193d St. A building will be constructed on the site.

Rochester, N. Y.—Plans are being prepared by Claude Bragdon and Foster & Gade, Assoc. Archs., for the construction of a two-story building at St. Paul and Mortimer St., for the Rochester Chamber of Commerce. The estimated cost is $500,000. The building will be a gift to the city from George W. Eastman, Pres. of Eastman Kodak Co.

Rome, N. Y.—The Rome Trust Co., 103 South St., contemplates remodeling its building at James and Dominick St. Estimated cost, $75,000. Frederick M. Shelley, 103 West Garden St., is Pres.

Shelter Island, N. Y.—Bids will be received until May 22 for the construction of a 130x200-ft. preparatory school for the Passionist Fathers. The estimated cost is $125,000. F. J. Berlenbach, 260 Graham Ave., Brooklyn, is Arch.

White Plains, N. Y.—The Supervisors of the Westchester County Board plan to construct a county penitentiary and workhouse on the Alexander Smith Cochrane farm near East View. Robert S. Brewster is Chn. of Bldg. Comn.

Cliffside Park, N. J.—(Cliffside post office)—Bids were received May 12 by the Board of Education for the construction of a high school as follows: Coba Construction Co., $63,701; G. H. Decker, $65,100; Thalen Construction Co., $69,750; Kelly Construction Co., $68,000; Jennings & Wellster, $73,381; A. W. Croné & Sons, $69,814; De Kimpe Construction Co., $64,475; G. T. Kelly, $71,998. Noted Mar. 11 and Apr. 22.

Jersey City, N. J.—The F. A. Lohmeyer Co., recently incorporated with a capital of $250,000, will construct 16 two-story brick buildings on Claremont Ave. and 15 apartment houses on Orient Ave. F. A. Lohmeyer is Pres.

Jersey City, N. J.—The city plans to construct a school for for crippled children. M. I. Fagen is City Clk.

Jersey City, N. J.—John T. Rowland, Jr., Arch., 98 Sip Ave., has prepared plans for the construction of an addition to the st. Ann's Home on Old Bergen Rd.

Leonia, N. J.—Plans have been prepared by Ernest Sibley, Arch., Palisade, for the construction of a two-story addition to the high school. Estimated cost, $50,000. Louis D. Winkleman is Clk. of Bd. of Education.

Morristown, N. J.—Guilbert & Betelle, Arch., 665 Broad St., Newark, is preparing revised plans for the construction of a high school. W. Parsons Todd is Chn., Bd. of Education. Noted Mar. 4.

Trenton, N. J.—S. W. Mather & Son, Philadelphia, Penn., at $215,000, submitted the lowest bid for the construction of a high school at Trenton. Noted Sept. 24 and Dec. 24.

Bedford, Penn.—The citizens contemplate the construction of a courthouse for Bedford County. Estimated cost, $100,000.

Kingston, Penn.—The Board of Education plans the construction of a two-story school. Estimated cost, $50,000. Sturdevant & Poggi, Coal Exchange Bldg., Wilkes-Barre, is Arch.

Lansford, Penn.—Clyde Adams, Arch., 1509 Arch St., Philadelphia, is preparing plans for the construction of a two-story high school. The estimated cost is $150,000. W. G. Thomas is Secy., Bd. of Education. Noted Feb. 4 and Apr. 15.

Philadelphia, Penn.—A site has been purchased at 32d St. and Lancaster Ave. for the construction of an armory for the National Guards. Estimated cost, $200,000.

Philadelphia, Penn.—The State Legislature, Harrisburg, is considering the construction of a state office building at Philadelphia.

✚**Pittsburgh, Penn.**—According to press reports the contract for the construction of the Shenley High School has been awarded to the RITER-CONLEY MFG. CO., Leetsdale, Penn. Noted Oct. 22, Nov. 19, Apr. 1 and 22.

✚**Pottsville, Penn.**—The contract for the construction of a three-story, 50x250-ft. theater for the Hoffman Co. has been awarded to PHILIP BRENNEMAN, Pottsville.

South Brownsville, Penn.—The Board of Education contemplates the construction of a two-story high school. Estimated cost, $65,000. W. H. Gray is Secy. and A. P. Cooper, First National Bank Bldg., Uniontown, is Arch.

Susquehanna, Penn.—Plans are being prepared by Tiffany & Conrad, Arch., Phelps Bldg., Binghamton, N. Y., for the construction of a one-story theater for J. Ryan. Estimated cost, $50,000.

✚**Towanda, Penn.**—(Official)—The WARREN CONSTRUCTION CO., Jamestown, N. Y., has been awarded the contract for the construction of a two-story high school. The estimated cost is $90,000. Pierce & Bickford, Elmira, N. Y., is Arch. Noted Dec. 24 and Apr. 15.

✚**Warren, Penn.**—The WARREN GENERAL CONSTRUCTION CO., Warren, has been awarded the contract for the construction of a church on North Park Ave. for the First Methodist Church. Estimated cost, $75,000.

Wilkinsburg, Penn.—Bids have been received by the Pennsylvania R.R. for the construction of a passenger station at Hay St. and Ross Ave. The estimated cost is $150,000.

Baltimore, Md.—The Council is considering the question of appropriating $125,000 for the construction of a school in the 14th Ward.

Washington, D. C.—Bids have been received by F. R. White & Co., Arch., for the construction of a seven-story apartment house at 16th and I St., for Thomas H. Pickford. The estimated cost is $200,000.

Huntington, W. Va.—Frank B. Enslow and the Jeff Newberry Shoe Co. plan to construct a six-story, fireproof business building at Third Ave. and 11th St.

Matewan, W. Va.—(Official)—Pedigo & Garry, Arch., Bluefield, advises us that the work on the construction of the $150,000 hotel will be done by day labor. R. W. Buskirk is owner of the hotel. Noted May 6.

Memphis, Tenn.—Boyle & Boyle, Attorney, is interested in a proposition to construct a 10- or 15-story store and office building at Main St. and Monroe Ave.

Nashville, Tenn.—Plans are being prepared by the Official Board of the McKendree Church for the construction of an eight-story, fireproof office building on a site in front of the church. The estimated cost is $200,000. M. M. Cullom, is interested.

Cincinnati, Ohio—Joseph G. Steinkamp & Bro., Arch., 414 Walnut St., is preparing plans for the construction of a two-story gymnasium for the St. Xavier College. The estimated cost is $60,000. Noted Apr. 15.

Cleveland, Ohio—F. W. Geddes, Williamson Bldg., is interested in a company recently incorporated which plans to construct a "U" shaped apartment house at Prospect Ave., S. E., near East 40th St. The estimated cost is $100,000.

Cleveland, Ohio—The Statler Hotel, Euclid and East 12th St., plans the construction of a 12-story addition to the hotel. Estimated cost, $600,000. J. P. A. O'Conor is Mgr. and E. M. Statler is Owner.

Cleveland, Ohio—George S. King, Arch., 316 Permanent Bldg., is preparing plans for the construction of a six-story commercial and theater building at Shaw and Hayden Ave., for Francis K. Lees.

Cleveland, Ohio—Bids have been received for alterations and improvements to the Kinsman and Standard School Buildings. W. R. McCormack is Arch. of the Bd. of Education.

Cleveland, Ohio—Plans have been prepared by Charles S. Schneider, Arch., 2248 Euclid Ave., for the construction of a building at Cedar Rd. and Euclid Ave., for the Plymouth Congregational Church. Estimated cost, $150,000.

Cleveland Heights, Ohio—(Warrensville post office)—Bids will be received about June 1 by the Board of Education for the construction of a two-story school. Estimated cost, $75,000. Franz C. Warner, 767 Hippodrome Bldg., Cleveland, is Arch. Noted May 6.

Coshocton, Ohio—The Y. M. C. A. contemplates the construction of a two-story building, estimated to cost $50,000. R. H. Mills, People's National Bank, Main St., is Pres.

Minerva, Ohio—Plans have been prepared by Howard & Merriam, Arch., 8 East Broad St., Columbus, for the construction of a high school. The estimated cost is $65,000. Noted Mar. 25.

Urbana, Ohio—Plans have been prepared by F. G. Mueller, Arch., Hamilton, for the construction of a Masonic Temple. The estimated cost is $50,000.

✚**Bloomington, Ind.**—The contract for the construction of a gymnasium for the University of Indiana has been awarded to DAGGETT & DAGGETT, Indianapolis. The estimated cost is $150,000. Noted Mar. 25, Apr. 1 and May 6.

Indianapolis, Ind.—The members of the City School Board have approved the revised plans for the construction of the main public library building, north of St. Clair Park. Estimated cost, $500,000. A bond issue for the amount will soon be advertised for sale by the School Board. Noted Feb. 12, Apr. 23, July 9, 1914 and Jan. 14. 1915.

★**Detroit, Mich.**—Bids will be received until 10 a.m., June 9, by George H. Fenkell, Comr., City Hall, Detroit, for the construction and completion of the Municipal Court building. Smith Hinchman & Grylls, 710 Washington Arcade Bldg., is Arch. Noted Nov. 5 and Apr. 22.

Chicago, Ill.—According to press reports Francis S. Peabody, Pres. of the Chicago Athletic Association, plans to construct an 18-story clubhouse at 12 South Michigan Ave. and Madison St. The estimated cost is $2,500,000. Marshall & Fox, 38 South Dearborn St., is Arch.

Chicago, Ill.—Plans have been prepared by Eric E. Hall, County Arch., for the construction of an eight-story jail and Criminal Court building. Estimated cost, $2,500,000. Noted Apr. 8 and 29.

Chicago, Ill.—Work will soon be started on the construction of a 19-story hotel for the Y. M. C. A. The estimated cost is $1,000,000.

Chicago, Ill.—Christian A. Londelius, 6335 South Peoria St., plans to construct an apartment house on Woodlawn Ave. between 54th Pl. and 55th St. The estimated cost is $125,000.

Milwaukee, Wis.—Plans are being revised by A. C. Eschweiler, 720 Goldsmith Bldg., for the construction of the Main Exchange building on Broadway, between Wisconsin and Mason St. for the Wisconsin Telephone Co., 183 Fifth St. Estimated cost, $500,000. H. O. Seymour, is Gen. Mgr. Noted Dec. 31.

Milwaukee, Wis.—(Official)—Bids will be received about June 1 by Kirchoff & Rose, Arch., Majestic Bldg., for the construction of a four-story building for the Palace Theater Co. Noted Mar. 4 and 11, Apr. 1 and May 6.

Milwaukee, Wis.—The Department of Bridges and Public Buildings is preparing plans for the construction of a two-story, 50x115-ft. natatorium in the 14th Ward. Estimated cost, $60,000. F. G. Simmons is Comr. of Pub. Wks.

Ft. Dodge, Iowa—W. L. Steele, Arch., United Bank Bldg., Sioux City, is preparing plans for the construction of a two-story church. Estimated cost, $75,000. Edmund Harlan is Pastor.

Linn Grove, Iowa—The Consolidated District voted in favor of issuing $48,000 in bonds, the proceeds of which will be used to construct a school.

✚**Sioux City, Iowa**—The contract for the construction of the Elks Lodge building at Eighth and Douglas St. has been awarded to COMER & SMALL. Noted Jan. 14 and Feb. 25.

✚**Vinton, Iowa**—The contract for the construction of the $50,000 Methodist Church has been awarded to THEODORE STARK & CO., Cedar Rapids, Iowa.

Omaha, Neb.—(Official)—Bids will be received about July 1 by J. S. Dales, Secy. of Bd. of Regents, Lincoln, Neb., for the construction of a hospital for the College of Medicine at the University of Nebraska, 42 Dewey Ave. The estimated cost is $150,000. Irving S. Cutter is Secy. of the university and John Latenser is Arch. Noted Apr. 29.

Madison, S. D.—J. H. Taileffer plans to construct a building to cost about $60,000.

Milbank, S. D.—Bonds to the amount of $45,000 have been sold by the County Commissioners of Grant County. The proceeds will be used for the construction of a courthouse.

Butte, Mont.—(Official)—Bids will soon be received by School District No. 1, Silver Bow County, Butte, for the construction of a high school including a 50x140-ft. gymnasium and a 22x60-ft. swimming-pool. The estimated cost is $100,000. Wilson & Cutting is Arch. Noted under Anaconda, Mont., May 6.

Great Falls, Mont.—The Great Falls Tribune plans to construct a two-story office building. Estimated cost, $75,000.

✚**Kansas City, Mo.**—GEORGE L. BROWN has been awarded the contract for the construction of a five-story, 49x116-ft. building at 12th and Walnut St. for the Chambers Estate. The estimated cost is $118,000.

Kansas City, Mo.—McKecknie & Trask, Arch., is preparing plans for the construction of a six-story, reinforced-concrete building for E. P. Moriarity and J. F. Moriarity. The estimated cost is $100,000.

St. Louis, Mo.—The St. Louis Lodge, No. 3, Loyal Order of Moose, will build a 180x272-ft. lodge to replace the present one at Grand Ave. and West Pine Blvd. The estimated cost is $500,000.

Coldspring, Tex.—The County Commissioners plan to rebuild the courthouse recently destroyed by fire. It will be fireproof and cost about $75,000. W. McMurrey is County Judge.

El Paso, Tex.—Plans are being considered by the Directors of Chamber of Commerce for the construction of a municipal auditorium. The estimated cost is $100,000. F. D. Gustom is interested.

El Paso, Tex.—Plans are being prepared by Trost & Trost, Arch., Mills Bldg., for the construction of a nine-story, fireproof addition to the Paso Del Norte Hotel owned by Z. T. White.

El Paso, Tex.—Trost & Trost, Arch., Mills Bldg., is preparing plans for the construction of a six-story addition to the Popular Dry Goods Store Bldg. The estimated cost is $120,000.

Ft. Worth, Tex.—Contracts will be awarded about July 1 by Van Slyke & Woodruff, Arch., American National Bank Bldg., for the construction of a seven-story hotel, with two wings, on Main St. between 10th and 11th St. for J. C. Ingram. Estimated cost, $500,000. Noted Apr. 22.

Oklahoma, Okla.—Bids will be received until 2 p.m., June 7, by the State Capitol Commission for the construction of the Oklahoma State Capitol. Layton & Smith, 701 Majestic Bldg., is Arch. R. L. Williams is Chn. and Ira Mitchel is Secy. of State Capitol Comn. Noted Apr. 23, Nov. 26 and Dec. 31.

Plainview, Colo.—The National Order of Cowboy Rangers plans to construct a $50,000 clubhouse at Plainview. A. U. Mayfield is interested.

Tyrone, N. M.—The Phelps-Dodge Co., 99 John St., New York, N. Y., plans to expend about $200,000 in the construction of buildings at its new camp in Tyrone. The buildings will include a $100,000 general store and hotel, a $50,000 hospital, and $50,000 for houses for the employees. The entire construction will be of reinforced concrete.

Pocatello, Idaho—(Official)—Bids will be received until May 25, by the Clerk of the School Board for the construction of a high school. The estimated cost is $100,000. F. H. Paradice, Jr., is Arch. Noted Mar. 18, Apr. 8 and May 6.

✚**Salt Lake City, Utah**—(Official)—The contract for the construction of the first unit of the 26-room school at 13th, East and Seventh South St. has been awarded to J. F. & H. E. SCHRAVEN, Salt Lake City, at $61,636. Other bids were: Campbell Building Co., $70,800; Salt Lake Building & Mfg. Co., $69,680; West & Thornton, $64,749; Rudine & Chytraus, $62,950; Alston & Hoggan, $76,140; A. J. Gellis, $74,954; James Stewart & Co., $65,710; James H. Angel, $74,500. L. R. Judd is Clk., Bd. of Education and F. D. Rutherford, McIntyre Bldg., is Arch. Noted Apr. 8 and 29.

Salt Lake City, Utah—The Desert National Bank plans to construct a 24-story building. Estimated cost, $1,000,000. Parkinson & Bargerstrom, Los Angeles, Calif., is Arch.

Miami, Ariz.—The School Board has retained Trost & Trost, Arch., Mills Bldg., El Paso, Tex., to prepare plans for the construction of a school at Miami. The estimated cost is $75,000.

Phœnix, Ariz.—The City Council is considering the construction of a city hall. The estimated cost is $500,000.

North Yakima, Wash.—Contracts will be awarded about June 10 by N. A. Henderson, 313 South Fourth St., for the construction of a three-story, 100x140-ft. apartment house on Naches Ave. The estimated cost is $85,000. Noted Apr. 15.

Port Townsend, Wash.—(Official)—E. O. Reeder, Ch. Engr. of the Seattle, Port Angeles & Lake Crescent Ry. Co., Seattle, informs us that the company's own forces will construct the 250,000 terminals at Port Townsend. Noted Apr. 29.

†Seattle, Wash.—The contract for the construction of the nine-story, 110x120-ft. theater at Fifth Ave. and Pike St. for the Coliseum Amusement Co. has been awarded to the PEARSON CONSTRUCTION CO., New York Block, Seattle, at $141,400. Other bids were: Brandt Construction Co., 2327 Fifth Ave., $141,377; Sound Constructon Co., Lowman Bldg., $143,000; Hendrickson Construction Co., New York Block, $143,150; Butler Contracting Co., Central Bldg., $144,100; H. D. Stewart, American Bank Bldg., $145,994; A. W. Quist, Hoge Bldg., $146,799; Hans Pederson, Madison Block, $150,900; Grant Smith & Co., Henry Bldg., $155,500; W. B. Lance, Northern Bank Bldg., $156,507; M. J. Hursen Co., Globe Bldg., $162,500. Noted Mar. 25 and Apr. 15.

Portland, Ore.—E. B. McNaughton, Arch., has prepared plans for the construction of a three-story addition to the building of the Marshall-Wells Hardware Co., 14th, 15th, Kearney and Lovejoy St. The estimated cost is $70,000.

Portland, Ore.—Contracts will be awarded about July 1 by R. H. Thomas, Clk., Bd. of Education, 401 Court House, for the construction of a two-story administration building at the Franklin School. Estimated cost, $125,000. Noted Dec. 24.

†Atascadero, Calif.—(Dove post office)—The F. O. ENGSTROM CO., Fifth and Seaton St., Los Angeles, has been awarded the contract for the construction of a group of Class A buildings for the Colony Holding Corporation. The estimated cost is $2,000,000. Bliss & Faville, Balboa Bldg., San Francisco, is Arch.

†Berkley, Calif.—C. L. WOLD & CO., Lombard and Jones St., San Francisco, has been awarded the contract for the construction of a store and apartment building at Derby and College St. for J. M. Booth, 2730 Webster St., Berkeley. The estimated cost is $50,000.

Huntington Beach, Calif.—Plans have been approved by the School Board for the construction of a two-story school at 15th St. and Edgeware Ave. The estimated cost is $70,000. Noted Mar. 11 and Apr. 15.

†Los Angeles, Calif.—The contract has been awarded to JOHN MULDER at $63,000, for the construction of a five-story apartment and nursery building on Bolsa St., for O. T. Johnson. A. B. Benton is Arch.

†Los Angeles, Calif.—The contract for the construction of a two-story school at 1517 East 14th St. has been awarded to the JOHN HARNISH CO., 516 Stimson Bldg., Los Angeles, at $78,000. Noted Mar. 18 and Apr. 15.

Los Angeles, Calif.—Bids will be received until 11 a.m., May 18, by William A. Scheldon, Secy. of Bd. of Education, for the construction of a group of buildings for the Franklin High School on 54th Ave. between Irvington Pl. and Hub St. The estimated cost is $146,000.

Los Angeles, Calif.—The Board of Education plans the construction of a two-story school on First and Vermont St. Estimated cost, $120,000. Hunt & Burns, 701 Laughlin Bldg., is Arch.

Los Angeles, Calif.—Contracts will be awarded about Oct. 1 by John F. Blee, Arch., 509 Union League Bldg., for the construction of a five-story, 118x132-ft. loft building at Third and Alameda St. for the Neptune Meter Co. The estimated cost is $135,000. Noted Apr. 8.

Norwalk, Calif.—(Official)—Bids were received by W. F. McClure, State Engr., 625 Forum Bldg., Sacramento, for the construction of a group of buildings for the Norwalk State Hospital for the Insane, as follows: John Mulder, $107,319; Cresmer Mfg. Co., $111,700; J. F. Atkinson, $112,281; L. G. Bergren & Son, $114,872; Los Angeles Planing Mill Co., $116,642; F. O. Engstrum Co., $117,500; Davidson Construction Co., $118,700; John Simpson & Co., $119,420; W. E. Kier Construction Co., $119,850; Nance & Phelps, $120,798; Alta Planing Mill Co., $121,338; Merchant's Realty & Investment Co., $125,450; Robert Jordan, $129,140; James H. Jacobs Co., $129,305; Winget Construction Co., $129,990; C. McNeill, $131,700; C. M. Jordan, $134,497; Weymouth Crowell, $139,900; James P. Dawson, $141,250; John Hayes and J. H. Judy, $159,946. George B. McDougall, Dept. of Engineering, Sacramento, is State Arch. Noted July 23, Aug. 6, Apr. 8 and 22.

Richmond, Calif.—The Y. M. C. A. plans to construct a building to cost about $50,000. Wilbur F. Pierce is interested.

San José, Calif.—Plans have been prepared for the construction of a three-story Y. W. C. A. building, estimated to cost $50,000. Ada Hillman is Acting Secy.

Susanville, Calif.—The County Supervisors have decided to construct a courthouse. The estimated cost is $80,000. Noted Feb. 11.

†Winters, Calif.—The contract for the construction of a high school has been awarded to HAYES & CO., Sacramento. Estimated cost, $57,000.

Verdun, Que.—(Montreal post office)—The Department of Public Works, Ottawa, Ont., plans to construct a post office at Verdun. Estimated cost $100,000. R. C. Desrochers, Ottawa, is Secy.

†Hamilton, Ont.—The City Council has awarded the contract for the construction of a hospital to the JAMES FRIED CO., at $90,529. Noted Apr. 22.

TWIN LAKES DAM, SALT LAKE CITY, UTAH
Types Nos. 1 and 2

Bids were received Apr. 21 by the Engineering Department, Salt Lake City, for the construction of the Twin Lakes Dam, Type No. 1, rubble concrete dam, and Type No. 2, reinforced-concrete dam, from: (A) James Stewart & Co.; (B) P. J. Moran Contracting Co.; (C) Sam Williams; (D) John Shea; (E) Ryberg Bros.; (F) Enoch Smith; (G) Bates & Rogers Construction Co.; (H) Stewart Engineering Corporation; (I) Morris-Knudson Co. The item bids for each type of construction were as follows:

TWIN LAKES DAM, SALT LAKE CITY, UTAH

Rubble Concrete Dam, Type No. 1—	A	B	C	D	E	F	G
200 cu.yd. earth and loose rock excavation	$2.25	$1.50	$4.00	$2.00	$1.00	$2.00	$2.00
600 cu.yd. solid rock excavation	3.50	4.00	6.40	3.50	3.00	5.00	3.50
20 cu.yd. concrete	15.00	20.00	17.25	13.50	14.00	15.00	12.50
9100 cu.yd. rubble concrete	7.20	7.20	7.41	8.50	8.75	10.00	10.25
1300 lin.ft. 2-in. pipe railing	1.25	1.06	0.93	0.85	2.00	0.80	1.00
1 set standard sluice gates	490.00	602.00	1100.00	800.00	1500.00	750.00	1200.00
Extended totals	$70,485	$70,610	$74,725	$82,025	$86,005	$96,490	$98,525

Reinforced Concrete Dam, Type No. 2—	A	B	C	D	E	F	G	H	I
500 cu.yd. earth and loose rock excavation	$2.25	$1.50	$4.00	$2.00	$1.00	$2.00	$2.00	$1.00	$1.50
500 cu.yd. solid rock excavation	3.55	4.00	6.40	3.50	4.25	5.00	3.50	3.00	4.00
1600 cu.yd. reinforced concrete, Class A	19.50	22.00	17.25	22.00	19.25	25.00	23.80	19.44	19.00
2400 cu.yd. reinforced concrete, Class B	16.00	15.00	16.25	16.25	14.00	21.00	21.60	15.10	16.20
1225 lin.ft. 2-in. pipe railing	1.25	1.06	0.93	0.85	2.00	0.80	1.00	1.25	1.00
1 set standard sluice gates	450.00	602.00	1100.00	800.00	1500.00	750.00	1200.00	500.00	1000.00
Trash rack in place	250.00	338.00	350.00	195.00	150.00	200.00	250.00	50.00	300.00
Extended totals	$74,731	$76,188	$74,389	$78,986	$71,125	$96,630	$95,345	$71,425	$74,555

STATE HIGHWAYS, SACRAMENTO, CALIF.

Bids were received Apr. 26 by the California Highway Commission, Forum Bldg., Sacramento, for constructing Division IV, Route 14, Section A of the State Highway in Contra Costa County, and Division V, Route 2, Section A, in Monterey County, from: (A) Bates, Borland & Ayer, Oakland; (B) Hoffman & McLaren, Oakland; (C) T. M. Burns, Sacramento; (D) Peterson & Grier, San Francisco; (E) James Fitzpatrick, Sacramento; (F) Taylor & Bertiner, Los Angeles; (G) W. J. Schmidt, Berkeley; (H) Twohy Bros. Co., San Francisco; (I) Blanchard-Brown Co., San Francisco; (J) W. A. Dontanville, Paso Robles; (K) Lon G. Hare, Salinas; (L) Highway Paving & Construction Co., Palto Alto; (M) Engineer's Estimate. The item bids were as follows:

MONTEREY COUNTY

	C	D	E	J	K	L	M
14,135 cu.yd. excavation, unclassified	$0.50	$0.60	$0.50	$0.49	$0.70	$0.85	$0.40
752 lin.ft. 12-in. corrugated iron pipe	1.00	0.50	0.60	0.50	0.35	0.50	0.40
40 lin.ft. 18-in. corrugated iron pipe	1.00	0.75	0.75	0.60	0.75	0.75	0.50
36 lin.ft. 24-in. corrugated iron pipe	1.00	1.00	1.00	0.70	1.25	1.00	0.55
16 cu.yd. concrete, Class "B" culverts and monuments	10.00	14.00	14.00	16.00	15.00	10.50	11.25
4830 cu.yd. concrete, Class "B" pavements	4.25	5.00	6.25	6.33	4.80	3.60	6.75
174 cu.yd. rubble masonry, retaining walls	10.00	7.00	4.00	7.00	8.00	2.50	3.80
850 lin.ft. guard rail	0.30	0.30	0.40	0.50	0.55	0.40	0.40
42 monuments, hauling and setting	2.00	1.50	1.00	2.00	1.00	1.00	0.50
Extended totals	$30,662	$34,833	$39,074	$39,908	$35,558	$30,830	$39,799

CONTRA COSTA COUNTY

	A	B	C	D	E	F	G	H	I	M
11,200 cu.yd. excavation, unclassified	$0.70	$0.80	$0.60	$0.50	$0.60	$0.60	$0.55	$0.74	$1.25	$0.75
350 lin.ft. 12-in. corrugated iron pipe	0.50	0.40	1.00	0.50	0.60	1.00	0.50	0.30	0.55	0.50
130 lin.ft. 15-in. corrugated iron pipe	0.50	0.50	1.00	0.60	0.75	1.50	0.60	0.35	0.65	0.60
50 lin.ft. 18-in. corrugated iron pipe	0.50	0.60	1.00	0.80	1.00	2.00	0.70	0.50	0.76	0.70
10 cu.yd. concrete, Class "B" culverts and monuments	10.00	9.00	10.00	15.60	15.00	12.00	10.00	10.00	5.55	12.00
6150 cu.yd. concrete, Class "B" pavement	2.75	3.40	4.00	4.10	4.50	3.20	3.60	2.64	3.80	3.00
9840 lin.ft. guard rail	0.30	0.25	0.30	0.30	0.40	0.50	0.35	0.38	0.30	0.30
13 monuments, hauling and setting	1.00	1.00	2.00	2.00	1.00	1.00	0.50	1.00	2.50	1.00
Extended totals	$28,082	$32,668	$34,928	$34,236	$38,851	$32,098	$32,138	$28,552	$40,725	$30,223

CATALOG NOTICES

Harrison Safety Boiler Works, Philadelphia, Penn. Cochrane Engineering Leaflet No. 18. Testing V-Notch Meters. Illustrated, 48 pp., 6x9 in.

Monighan Machine Co., 2036 Carrol Ave., Chicago, Ill. Bulletin No. 16-W. Walking drag line excavators. Illustrated, 16 pp., 9x11 in.

Jeffrey Mfg. Co., Columbus, Ohio. General Catalog No. 83. Elevating, conveying, crushing, screening, power transmission machinery. Illustrated, 384 pp., 6x9 in.

Pneumatic Placing Co., Inc., 45 Broadway, New York. Bulletins. Pneumatic conveying equipment. Illustrated.

Blaw Steel Construction Co., Pittsburgh, Penn. Bulletin No. 66. Blaw light wall forms. Illustrated, 32 pp., 6x9 in.

The Baker Mfg. Co., Springfield, Ill. Pamphlet. Maney four wheel scraper. Illustrated, 14 pp., 6x9 in.

North Western Expanded Metal Co., Old Colony Building, Chicago, Ill. Catalog. Kno-Burn expanded metal lath. Illustrated, 52 pp., 6x9 in.

Otis Elevator Co., **Eleventh Ave.** & 26th St., New Yo Catalog. Gravity spiral **conveyors.** Illustrated, 56 pp., 6 in.

The Brown Hoisting Machinery Co., Cleveland, Ohio. Ca alog U. Brownhoist transfer **cars and larries.** Illustrate 32 pp., 6x9 in.

The Watson-Stillman Co., 50 **Church St., New Yor** Sectional Catalog No. 92. Hydraulic forcing presses, et Illustrated, 128 pp., 6x9 in.

Kerr Turbine Co., Wellsville, N. Y. Bulletin No. 5 Economy exhaust steam turbines. **Illustrated**, 14 pp., 6x9 i

The C. D. Pruden Co., Baltimore, Md. Loose Leaf Catalo Portable **steel buildings.** Illustrated, 8x11 in.

The J. D. Fate Co., Plymouth, Ohio. Catalog No. 2 Plymouth gasoline industrial locomotives. Illustrated, 52 pp., 6x9 in.

The Deming Co., Salem, Ohio. Catalog J. Power pumps. Illustrated, 190 pp., 7x9 in.

CALIFORNIA STATE HIGHWAY, MONTEREY COUNTY
Division V, Route 2, Section H

Bids received Apr. 23 by the California State Highway Commission, Forum Bldg., Sacramento, for the construction of Division V, Route 2, 2, Section H, of the State Highway in Monterey County, from: (A) C. H. & A. W. Gorrill, Oakland; (B) Bates, Borland & Ayer, Oakland; (C) Highway Paving & Construction Co., Palo Alto; (D) L. F. Gerdetz, San Francisco; (E) James Fitzpatrick, Sacramento; (F) A. C. McLean Construction Co., San Francisco; (G) C. H. Hudson, Los Angeles; (H) Hoffman & McLaren, Oakland; (I) F. Rolandi, San Francisco; (J) Sandercock Transfer Co., San Luis Obispo; (K) Mahoney Bros. & Allinson and Cole Construction Co., San Francisco; (L) Frank L. Smith, Eureka; (M) Twohy Bros. Co., San Francisco; (N) W. A. Nontanville, Paso Robles; (O) Mesmer & Rice, Los Angeles; (P) W. B. Hunt & Sons, Alameda; (Q) Engineer's Estimate. The item bids were as follows:

CALIFORNIA STATE HIGHWAY, MONTEREY COUNTY

Div. V., Route 2, Sec. 8

	A	B	C	D	E	F	G	H
89,420 cu.yd. earth excavation	$0.49	$0.35	$0.35	$0.32	$0.45	$0.40	$0.38	$0.40
4990 cu.yd. loose rock excavation	0.90	0.75	0.90	0.75	0.80	0.70	0.65	0.80
1350 cu.yd. solid rock excavation	1.50	1.00	1.50	0.75	1.20	1.00	0.80	1.00
850 lin.ft. 12-in. corrugated iron pipe	0.55	0.90	0.65	0.55	0.50	0.50	0.45	0.40
120 lin.ft. 15-in. corrugated iron pipe	0.60	0.90	0.75	0.65	0.60	0.60	0.50	0.70
44 lin.ft. 18-in. corrugated iron pipe	0.65	0.90	0.85	0.80	0.75	0.75	0.55	0.60
28 lin.ft. 24-in. corrugated iron pipe	0.75	0.90	1.25	0.90	1.00	1.00	0.70	0.75
172 lin.ft. 30-in. corrugated iron pipe	1.00	0.90	2.00	1.30	1.25	1.50	0.80	1.00
35 lin.ft. 36-in. corrugated iron pipe	1.25	0.90	2.00	1.75	1.50	2.00	0.90	1.50
416 cu.yd. cement concrete, Class B (culverts and monuments)	12.00	15.00	10.75	15.00	13.00	18.00	13.00	9.00
10,620 cu.yd. cement concrete, Class B (pavement)	6.50	6.25	6.15	5.65	5.85	7.25	5.20	4.45
5400 lin.ft. guard rail	0.35	0.30	0.45	0.45	0.40	0.30	0.50	0.30
274 monuments, hauling and setting	1.00	1.00	1.00	1.00	1.00	1.00	1.00	1.00
	$127,323	$112,023	$111,431	$103,207	$116,645	$127,874	$102,564	$94,679

	I	J	K	L	M	N	O	P	Q
89,420 cu.yd. earth excavation	$0.50	$0.45	$0.59	$0.35	$0.33	$0.52	$0.35	$0.39	$0.30
4990 cu.yd. loose rock excavation	0.85	0.50	0.59	0.38	0.65	0.75	0.45	0.55	0.50
1350 cu.yd. solid rock excavation	1.10	1.00	0.59	0.40	0.90	1.00	0.65	0.60	1.00
850 lin.ft. 12-in. corrugated iron pipe	0.60	0.50	0.60	0.60	0.40	0.45	0.53	0.50	0.40
120 lin.ft. 15-in. corrugated iron pipe	0.75	0.60	0.70	0.65	0.50	0.50	0.66	0.60	0.45
44 lin.ft. 18-in. corrugated iron pipe	1.00	0.70	0.80	0.70	0.55	0.65	0.78	0.70	0.50
28 lin.ft. 24-in. corrugated iron pipe	1.25	0.80	1.00	0.80	0.60	0.75	1.00	0.70	0.60
172 lin.ft. 30-in. corrugated iron pipe	2.00	0.90	1.25	0.90	0.70	1.00	1.35	0.70	0.70
35 lin.ft. 36-in. corrugated iron pipe	2.50	1.00	1.50	1.00	0.80	1.00	1.50	0.70	0.80
416 cu.yd. cement concrete, Class B (culverts and monuments)	20.00	11.00	14.00	12.00	12.00	12.00	15.00	10.00	10.00
10,620 cu.yd. cement concrete, Class B (pavement)	5.95	6.74	6.75	4.75	5.34	7.90	6.71	6.25	5.30
5400 lin.ft. guard rail	0.40	0.45	0.40	0.40	0.40	0.50	0.50	0.50	0.40
274 monuments, hauling and setting	1.00	1.00	1.00	1.00	1.00	1.00	1.00	0.50	0.50
Extended totals	$125,490	$123,683	$137,366	$92,435	$98,693	$144,154	$115,771	$112,493	$108,094

REINFORCED-CONCRETE TRUNK LINE SEWER—SACRAMENTO, CALIF.

✚Bids were received Apr. 29 by the Engineering Department, Sacramento, for the construction of a reinforced-concrete trunk line sewer and appurtenances, Contract No. 72, from: (A) Peterson & Grier; (B) Graff Construction Co., Sacramento; (C) Tibbetts Pacific Co.; (D) Clinton Fireproofing Co. of California; (E) Edward Malley; (F) Williams & Belsar; (G) Carl Ehrhart; (H) Teichert & Ambrose, Sacramento; (I) Ross Construction Co., Sacramento; (J) McGillvary Construction Co., Sacramento; (K) JAMES KENNEDY, Los Angeles (awarded contract); (L) Carnahan & Mulford; (M) F. Rolandi; (N) Contra Costa Construction Co., Berkeley; (O) Matthews Construction Co., Sacramento; (P) Thomas S. Hutton; (Q) Wrightson, Anderson & Yost, Sacramento. All bidders of San Francisco unless otherwise stated. The item bids were as follows:

	A	B	C	D	E	F	G	H	I
3447 lin.ft. 72-in. reinforced-concrete sewer	$16.00	$15.00	$10.70	$11.27	$18.24	$16.30	$13.27	$12.60	$14.00
1143 lin.ft. 69-in. reinforced-concrete sewer	12.00	8.00	8.75	6.37	8.11	13.86	9.86	9.80	13.50
2012 lin.ft. 66-in. reinforced-concrete sewer	9.00	8.00	7.90	5.75	7.63	11.45	7.98	7.80	10.00
1294 lin.ft. 63-in. reinforced-concrete sewer	8.00	8.00	7.40	5.15	6.91	10.76	8.00	7.70	8.50
1280 lin.ft. 60-in. reinforced-concrete sewer	7.50	8.00	6.40	4.61	6.27	10.26	8.00	7.20	8.00
1907 lin.ft. 57-in. reinforced-concrete sewer	7.00	8.00	6.20	4.53	5.75	9.75	7.00	6.70	7.00
125 lin.ft. 36-in. reinforced-concrete sewer	7.00	7.00	4.50	3.89	6.00	8.01	4.00	5.30	6.00
15 lin.ft. 26-in. riveted steel pipe and fittings	7.00	7.00	3.00	3.33	5.23	4.29	5.00	4.00	3.00
10 lin.ft. 14-in. vitrified pipe sewer	3.00	3.00	1.00	1.50	2.50	1.76	2.00	1.20	2.50
27 concrete manholes	80.00	45.00	50.00	45.00	50.00	58.75	35.00	50.00	100.00
1 concrete junction chamber	200.00	215.00	120.00	125.00	200.00	235.00	181.00	120.00	100.00
1 36-in. concrete inlet	10.00	70.00	12.00	68.00	5.00	10.00	50.00	20.00	100.00
1 26-in. concrete inlet	8.00	60.00	9.00	14.00	5.00	9.00	30.00	10.00	100.00
1 14-in. vitrified pipe inlet	5.00	15.00	4.00	14.00	2.50	1.00	30.00	10.00	10.00
1 30-in. iron, bronze-faced flap valve and head works	150.00	230.00	215.00	125.00	100.00	88.00	100.00	80.00	100.00
Extended totals	$123,820	$115,608	$94,697	$81,013	$118,190	$143,727	$108,939	$104,608	$122,326

	J	K	L	M	N	O	P	Q
3447 lin.ft. 72-in. reinforced-concrete sewer	$11.40	$9.70	$16.91	$11.00	$17.30	$10.92	$13.90	$14.06
1143 lin.ft. 69-in. reinforced-concrete sewer	9.03	7.52	10.45	10.00	13.00	8.73	12.75	8.92
2012 lin.ft. 66-in. reinforced-concrete sewer	7.79	6.52	8.55	7.00	11.50	8.33	11.95	8.70
1294 lin.ft. 63-in. reinforced-concrete sewer	7.32	5.66	8.24	6.00	11.25	7.58	10.94	8.32
1280 lin.ft. 60-in. reinforced-concrete sewer	7.06	5.30	7.36	6.00	11.00	7.02	9.90	7.64
1907 lin.ft. 57-in. reinforced-concrete sewer	6.43	4.82	7.16	5.50	10.70	7.23	8.75	7.48
125 lin.ft. 36-in. reinforced-concrete sewer	4.43	3.70	5.03	4.00	6.00	5.42	5.00	5.68
15 lin.ft. 26-in. riveted steel pipe and fittings	4.26	3.38	3.60	4.00	4.00	7.00	5.00	5.00
10 lin.ft. 14-in. vitrified pipe sewer	2.50	2.00	2.70	3.00	4.00	5.00	3.00	3.00
27 concrete manholes	54.00	60.00	54.00	40.00	60.00	55.00	55.00	40.00
1 concrete junction chamber	175.00	200.00	100.00	200.00	300.00	215.00	500.00	250.00
1 36-in. concrete inlet	35.00	50.00	20.00	75.00	30.00	35.00	50.00	15.00
1 26-in. concrete inlet	25.00	30.00	13.00	70.00	30.00	25.00	40.00	10.00
1 14-in. vitrified pipe inlet	10.00	20.00	7.00	70.00	30.00	20.00	7.00	5.00
1 30-in. iron, bronze-faced flap valve and head works	200.00	150.00	209.00	100.00	100.00	195.00	500.00	75.00
Extended totals	$98,607	$81,052	$123,690	$91,548	$149,632	$99,769	$132,204	$113,291